# UNITED STATES SPECIAL OPERATIONS COMMAND



## BUDGET ESTIMATES FISCAL YEAR 1997

PROCUREMENT, DEFENSEWIDE

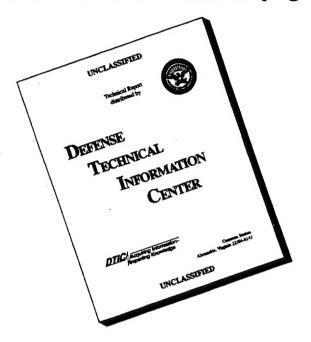
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**MARCH 1996** 

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## UNITED STATES SPECIAL OPERATIONS COMMAND

# PROCUREMENT DOCUMENTATION FOR THE FY 1997 AMENDED PRESIDENT'S BUDGET SUBMISSION

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## UNITED STATES SPECIAL OPERATIONS COMMAND

# PROCUREMENT DOCUMENTATION FOR THE FY 1997 AMENDED PRESIDENT'S BUDGET SUBMISSION

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MK'8 MOD I SEAL Delivery Vehicle (SDV	Submarine Conversion	MK V Special Operations Craft	immunition Procurement Lines	SOF Ordnance Acquisition	SOF Platform Cun Ammunition	Other Procurement Lines	Maritime Equipment Modifications	Spares and Repair Parts	Communications Equipment and Electronics	SOF Intelligence Systems	SOF Small Arms and Support Equipment	SOF Maritime Equipment	Miscellaneous Equipment	SOF Planning and Rehearsal System	Operational Force Enhancements	DCVOP Equinment
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## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

Special Operations Forces

\$ in Millions
FY 1997 Estimate 454.285
FY 1996 Actual 612.977
FY 1995 Actual 522.195

## PART I. PURPOSE AND SCOPE

USPACOM, USACOM, and USSOUTHCOM). When directed by the President, USCINCSOC will assume command of a special operation operational command directly responsible for determining its own force structure requirement, determining the related materiel requirements, infiltration/exfiltration aircraft, civil affairs specialists, and psychological operations specialists. Navy component forces consist of Sea, Air, & Land (SEAL) Teams and special boat units. The Air Force component forces consist of special operation units which provide medium to USSOCOM is a unified command with worldwide responsibilities to train, equip and maintain Special Operations Forces (SOF) in a ready anywhere in the world. USSOCOM's Army component forces include special forces (Green Berets), Rangers, short to medium range state in support of the contingency plans developed by the five regionally oriented unified commands (USEUCOM, USCENTCOM, long range air infiltration/exfiltration aircraft, specially equipped gunships, and aerial refueling capability. USSOCOM is the only procuring the SOF unique equipment, training, and deploying its own units.

## PART II. JUSTIFICATION OF FUNDS REQUESTED

### **Aviation Programs**

- (SRUs) contained in the Line Replaceable Units (LRUs) of the: MC-130H's APQ-170 Radar; AC-130U's APQ-180 Radar; APQ-102 Mission Computer; displays, communications, and control LRUs; and the AC-130H communication and display LRUs. Funds will be used primarily computers, and the All Light Level TV (ALLTV). It shall also provide organic depot-level repair capability for the Shop Replaceable Units to: procure the initial subset of the Test Program Sets (TPSs) for the depot capabilities for the APQ-170 radar and the APQ-102 Mission mobile intermediate-level tester for the critical avionics of the AC-130H, AC-130U and the MC-130H aircraft, such as radars, mission 1. Radio Frequency Mobile Electronic Test Set (RFMETS) (FY 1997 - \$14,340 Million) This effort shall provide a SOF-common Computer; complete acquisition of intermediate-level organic capability for the AC-130U ALLTV.
- 2. Rotary Wing Upgrades and Sustainment (FY 1997 \$4,788 Million) Funds provide for: digital terrain module memory upgrade for standardization; Night Vision Head Up Display standardization and aircraft integration; and ALQ-136/162 aircraft survivability equipment compressed Defense Mapping Agency data; ARC-210/Demand Assigned Multiple Access modem integration per JCS directive for

## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

## 2. Rotary Wing Ungrades and Sustainment (Cont'd)

Contractor Support, both for the MH-60G. External fuel tanks provide for extended range to improve aircraft's operational effectiveness and amplifier upgrade; all for the MH-47E/MH-60K. Also, provides funds to acquire and install 230 MH-60G external fuel tanks for air refueling. Acquires two Portable Engine Analysis Test Sets (PEATS) and funds AAQ-16 Forward Looking Infrared (FLIR) Interim meet mission taskings. The PEATS provides rapid analysis of engine problems for reduced maintenance downtime.

- 3. SOF Training Systems (FY 1997 \$1,074 Million) Funds provide procurement of ground-based trainers to support initial training. scenarios. Procures initial Gunship Aircrew/Maintenance Training System (GA/MTS) Battle Management Center support subsystems. Provides funds for Data Base Generating Equipment required for building and maintaining real-world training and mission rehearsal
- 4. MC-130H Combat Talon II (FY 1997 \$8,067 Million) Funds provide for interim contractor support, avionics Government Furnished Equipment (GFE), and publications/technical data printing. Interim Contractor Support (ICS) will provide maintenance support until full depot organic facilities are in place.
- 5. AC-130U Gunship Acquisition (FY 1997 \$44.800 Million) Funds provide interim contractor support (ICS) of contractor furnished weapon system becomes completely organic for support in the FY 2000 - FY 2001 time-frame. Further resources are provided for: the support equipment and ICS for software. ICS will provide the capability to maintain the aircraft avionics and software until the entire modification of technical orders (TOs); repair and management of GFE.
- 6. C-130 Modifications (FY 1997 \$86.667 Million) Funds procure the final ALQ-172 Pave Mint Low Band Jammer systems and installs 130P/N, and AC-130H aircraft. Also funds various AC-130 and MC-130 efforts such as MC-130H auxiliary power unit upgrades; AC-130U the initial systems for AC-130H aircraft; procures and installs Directional Infrared Countermeasure Systems (DIRCM); procures and installs System, Narrow Band Satellite Communications, and Automatic Communications Processor; installs center wing boxes on MC-130E, HCthe following communications initiatives into the MC-130H aircraft: 3.5-inch data transfer systems, Single Channel Ground-to-Air Radio Service Report actions; MC-130 Underbelly Protection Program; AAQ-17 Forward Looking Infrared for AC-130H/U; reliability and maintainability upgrades on the MC-130H APQ-170 radar; modifications of the last 65 AAR-44 Missile Warning Receivers; interim contractor support on the APQ-122 upgrade; and upfront, non-recurring engineering on the AC-130H Low Light Level TV.
- Funds also provide for interim contractor support for aircraft modifications only until other methods (i.e., establishment of a depot, transition to organic, etc.) are made available. Funds ICS for the ASD-5 replacement on the AC-130H, Ballistic Computer, MC-130E systems, and 7. Aircraft Support (FY 1997 - \$13,639 Million) Funds provide for the procurement of ring laser gyros for the MC-130E aircraft. other efforts such as Fire Control Display System, and Air Data Management System. Funds an international maritime satellite radio





## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

## 7. Aircraft Support (Cont'd)

installation as well as an engine hush kit modification (required to meet impending stage III noise requirements) for the EC-137 SOF Command and Control aircraft.

#### Shipbuilding

- communications, mission data recorders, direct current propulsion motors, and pilot/navigator displays. The mission of the MK 8 MOD 1 selected subsystems. Funds will be used to purchase/install such items as Global Positioning System, Obstacle Avoidance System, secure 1. MK 8 MOD 1 SEAL Delivery Vehicle (SDV) (FY 1997 - \$9.255 Million) Funds provide for the Service Life Extension Program effort of the MK 8 MOD 0 SDV that will focus on correcting identified and projected sustainability and maintainability problems within SDV is clandestine infiltration/exfiltration of SEAL combat swimmers into hostile/denied shore areas and harbor/port facilities for the conduct of special operations.
- submarines. Funds advanced planning for work package preparation, prefabrication of kit assemblies (piping, valves, external hull fixtures), conversion will provide SSN 688 class submarines as replacements for SSN 637 long-hull Dry Deck Shelter (DDS) host and ASDS host prepares operational manuals, and host certification. Also orders those subsystems, components and materiel needed for one Dry Deck requirements for the execution of special operations missions as the naval component of the U.S. Special Operations Command. This 2. Submarine Conversion (FY 1997 - \$8.913) This program supports Naval Special Warfare Command's equipment and mission Shelter host submarine that requires earlier contracting actions in order to meet the time-critical system conversion schedule.
- Insertion/extraction of special operations forces. It will have the inherent ability to support limited Coastal Patrol and Interdiction taskings. transporter system. Funds procure three operational detachments - each detachment consists of two craft and transporters and, supporting The MK V SOC will be a high performance combatant craft capable of being transported over land and on-board C-5 aircraft on its own 3. MK V Special Operations Craft (SOC) (FY 1997 - \$41,211 Million) The MK V SOC will conduct Medium Range equipment package.

### Ammunition Programs

1. SOF Ordnance Acquisition (FY 1997 - \$6,161 Million) This line consolidates items formerly in SOF Platform Gun Ammunition and SOF Pyro/Demo. Funds will provide pyrotechnics, demolition materials, and various munitions, ammunitions, and related subsystems and equipment, in support of SOF which include special ground forces, special boat units, special warfare groups/units, Sea Air, Land (SEAL)

## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

## 1. SOF Ordnance Acquisition (Cont'd)

modules. Funds will also begin procurement of the Remote Activated Munition System, which provides the capability to remotely control 40mm ammunition rounds, as well as for product improvements and engineering changes for LIMPET and practice LIMPET assembly leams, special boat squadrons, SEAL delivery vehicles and special aircraft. Funds provide better, safer fuzing mechanisms (refuze) for equipment such as beacons, weapons, and demolition charges.

support of the elite SOF training and mission requirements. These forces include Rangers, special boat units, special warfare groups, special Individual Weapons Ammunition, SOF Platform Gun Ammunition and, SOF Pyro/Demo. Funds provide individual weapons ammunition in training rounds required to maintain AC-130 Gunship crew mission readiness skills. Ammunition purchases resupply reserve quantities and target practice, and subcaliber ammunition. Specifically, funds are required to procure complete rounds, and/or components requiring load peculiar non-standard small arms ammunition items transitioning from various SOF component programs and to conduct acceptance testing. addition, funds procure a variety of pyrotechnic items for Navy SOF groups, including illumination, signaling, identification and location specified combat reserve quantities. Funds also provide for production engineering, product improvements, and gauge procurement. In and assembly, of small arms ammunition (12 gauge up to and including .50 caliber), grenades (offensive/defensive and smoke) and SOF Also supports Naval Special Forces requiring 25mm, 40mm, and 60mm caliber gun ammunition, rockets and combat acceptance testing. warfare units, SEAL teams, special boat squadrons and SEAL delivery vehicle teams. The ammunition consists of illumination, smoke, Provides 7.62mm and .50 caliber ammunition in support of the impending MK V SOC weapons. Procures 25mm, 40mm, and 105mm 2. SOF Ordnance Replenishment (FY 1997 - \$24,379 Million) This line reflects a realignment of non-acquisition items from SOF devices. Also includes demolition materials such as explosive devices, initiators, and accessories.

### Other Procurement

- 1. Maritime Equipment Modifications (FY 1997 \$4.833 Million) These funds were transferred from Patrol Coastal and from the MK V active noise cancellation and bridge wing controls items, and installation of propellers designed to reduce the airborne noise in the berthing Special Operations Craft. Funds provide for command and control system software integration and upgrades. Also begins procurement of MK V SOC improved weapons mounts. Funds support procurement of materiel and installation of stern flap modifications, installation of compartments and meet full power absorption requirements at a higher full load displacement. Finally, supports Title K alterations for emergent ship alterations.
- item. The line item contains spares and repair parts funds from both aviation and shipbuilding programs. Funds reimburse the stock fund 2. Spares and Repair Parts (FY 1997 - \$36.134 Million) This line item consolidates spare and repair parts funding into a single line for deliveries of initial spares in support of MC-130 and AC-130 series aircraft, and various modifications. Funds will also be used to





## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

## 2. Spares and Repair Parts (Cont'd)

Program. Includes Global Positioning System, Obstacle Avoidance Sonar, Secure Communications, Mission Data Recorders, Direct Current procure spare parts to support engineering improvements to four SEAL Delivery Vehicles (SDV) for the SDV Service Life Extension Propulsion Motor, and Pilot/Navigator Displays. Funds for MK V Special Operations Craft (SOC) spares, repair parts, and initial consumables that constitute operational deployment packages and major (shore based) spares "kits".

- 3. Communications Equipment and Electronics (FY 1997 \$26,617 Million) Funds provide for communication systems to support SOF. This funding line consolidates SOF programs from Army, Navy, and Air Force SOF communication requirements. The SOF units' mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. Major funding requirements highlights include:
- transit base stations. Funding upgrades existing SMRS radios/base stations through preplanned product improvement technology insertion of a. The Special Mission Radio System (SMRS) is a radio system that provides SOF with a near term solution for a lightweight, low probability of intercept/low probability of detection manpack high frequency radio. Funding procures HF Manpack Radio Systems, and various communications security capabilities.
- b. Continues procurement and installation of Tactical Radio Systems for Naval Special Warfare units.
- c. Multiband/Multimission Radio (MBMMR) provides a lightweight, secure manpackable, multi-band transceiver capability. Funding procures additional deliveries of MMBMRs.
- provide significantly increased information transfer capability to deployed Special Operations Forces. The funds procure voice switches and d. The SOF Tactical Assured Connectivity Systems (SOFTACS) was formerly TACTICAL C4I. The SOFTACS program will tri-band Secure High Frequency Satellite Communications (SHF SATCOM) terminals required for the high volume of information for deployed SOF C3I nodes.
- commands while allowing for differences in missions. Funds provide initial procurement of JBS Variant 1, a small, transportable, high data rate base station that is capable of "drive on/drive off" a C-130 aircraft. Funds procure JBS Variant 2, palletizable communications suites e. Joint Base Station (JBS): JBS will provide SOF with continuous, reliable, long-range communications among SOF component for Air Force Special Operations Forces.

## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

## 3. Communications Equipment and Electronics (Cont'd)

warfighting capability without degrading their mobility. Therefore, SOF Communications Equipment & Electronics is a continuing effort to Operating independently in denied areas, Special Operations Forces (SOF) units require communications equipment that will improve their develop and procure unique SOF C3 requirements.

- 4. SOF Intelligence Systems (FY 1997 \$19.833 Million Funds provide various types of equipment to support SOF Intelligence Systems. Major requirement highlights include:
- components and extension to USSOCOM mission support units, Theater Special Operations Commands, and forward deployed SOF. Much (IDISS-SOCRATES). Funds provide a wide range of mission directed automated intelligence and imagery support to HQ USSOCOM and of the data is acquired from national intelligence assets/data bases and tailored to SOF needs. Continues the procurement of equipment to a. Joint Deployable Intelligence Support System - Special Operations Command, Research, Analysis and Threat Evaluation System establish a distributed JDISS-SOCRATES network architecture in compliance with nationally-directed client-server environment.
- enemy threat systems. Funds procure aircraft modifications to accommodate MATT on the MH-531 Pave Low helicopter and International intelligence and threat information to support mission planning and execution, enabling aircrews to effectively avoid, defeat, or destroy Multi-Mission Advanced Tactical Terminal (MATT). This program allows combat forces to receive near-real-time operational Broadcast Service Receivers. Funds engineering change proposals.
- The SILENT SHIELD enhances SOF aircrew situational awareness and provide threat warning information. The system consists of two briefcases; one briefcase contains the Communications Surveillance System, and the other contains the tactical data receiver. Aircraft installation kits complete the system. Funds procure SILENT SHIELD systems,
- d. Integrated Survey Program (ISP) procures commercial/government off-the-shelf equipment for a total of 11 suites of standard survey equipment which include laptop computers with computer-assisted data collection software, electronic filmless cameras, Global Positioning System receivers, and laser rangefinders. Funds provide for subsystem upgrades.
- for the MK23 MOD 0 SOF Offensive Handgun; M4A1 Carbine and Accessory Kits, for Naval SOF; advanced body armor with load-bearing through this budget line. Funds procure .50 caliber sniper rifle retrofit kits; boat gun mounts and support equipment; laser aiming modules 5. SOF Small Arms and Support Equipment (FY 1997 - \$10.613 Million) A variety of SOF small arms and weapons are procured equipment for the Battle Dress System; subsystems, acceptance testing and program support for the SOF Laser Acquisition Marker



## PROCUREMENT PROGRAM EXECUTIVE SUMMARY

- Specifically, funds low-rate, initial production NSW Rigid Inflatable Boats (RIBs) and necessary ancillary and supporting equipment. Funds require modern and safe equipment. Numerous items of equipment, such as small craft, open and closed circuit scuba equipment, and mine also provide for: safety and reliability upgrades as part of the Navy Boat program; emergent field changes for Dry Deck Shelters (DDS) Component of U.S. Special Operations Command, these elite forces are called upon to perform difficult, life threatening missions that 6. SOF Maritime Equipment (FY 1997 - \$5,030 Million) Funds procure necessary equipment which will enable the Naval Special countermeasure equipment are required for the Naval Special Warfare Command to execute their unique, special operations missions. Warfare Command to meet specific requirements for the execution of Special Operations and fleet support missions. As the Naval assets required to keep the DDS functional.
- Operational Stocks, equipment supporting USSOCOM headquarters management, Active Noise Reduction helmet harnesses, etc., that do not reasonably fit in other USSOCOM procurement line item categories. Funds provide: joint operational stocks currently located at the SOF Support Activity at Lexington Bluegrass Army Depot; Navy Civil Engineering Support equipment (such as vehicles and materiel handling equipment and sustainment activities required to support SOF. The line consists of relatively low cost procurement items such as Joint 7. Miscellaneous Equipment (FY 1997 - \$3.030 Million) The Miscellaneous Equipment budget line provides for various types of equipment) required to support Naval SOF.
- to plan and preview SOF missions. Major areas requiring automated support include data access and management, information fusion, image 8. SOF Planning and Rehearsal System (SOFPARS) (FY 1997 - \$1,876 Million) SOFPARS is an integrated family of mission planning systems, supported by extensive knowledge bases and imagery, that will be used by planners within the SOF command structure worldwide exploitation, mission planning and mission rehearsal (preview). SOFPARS focuses on the joint requirements to ensure interoperability and standardization of the SOF mission planning process. Funds upgrade previously procured portable mission planning systems and procure deployable desktop mission planners.
- 9. Operational Force Enhancements (FY 1997 \$75,221 Million) Funds are required to support Classified Special Operations Forces projects and modifications. Details of these projects are available as required.
- 10. PSYOP Equipment (FY 1997 \$7,794 Million) Funds provide for acquisition of Psychological Operations (PSYOP) equipment. The intent of PSYOP is to persuade selected target audiences to support U.S. national interests and to counter misinformation directed at U.S. Funds also procure the Deployable Print Production Center (DPPC), a state-of-the-art, computerized digital system capable of providing forces. Funds will procure Manpack, vehicle/watercraft-mounted, and aircraft-mounted systems as part of the Family of Loudspeakers. printed PSYOP products in forward locations and remote sites.

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## FY 1997 PROCUREMENT PROGRAM

Appropriation: Procurement, Defensewide

Millions of Dollars

Date: MARCH 1996

	Aminos to province			
Line No.	Item Nomenclature	FY 1995	FY 1996	FY 1997
AVIATION PROGRAMS	NGRAMS			
40	RADIO FREQUENCY MOBILE ELECTRONIC TEST SET (RFMETS)	13.945	21.093	14.340
41	ROTARY WING UPGRADES AND SUSTAINMENT		8.415	4.788
42	SOF TRAINING SYSTEMS		21.151	1.074
43	MC-130H COMBAT TALON II	38.324	20.683	8.067
4	AC-130U GUNSHIP ACQUISITION	71.199	62.216	44.800
45/46	C-130 MODIFICATIONS	55.968	109.800	86.677
47	HH-53 MODIFICATIONS	6.743		
48	MH-47/MH-60 MODIFICATIONS	7.839		
49	OH-6 PROCUREMENT AND MODIFICATIONS	7.311		
50	AIRCRAFT SUPPORT	29.636	8.067	13.639
SHIPBUILDING				
51	PATROL COASTAL	33.954	19.520	
53	MK 8 MOD 1 SEAL DELIVERY VEHICLE (SDV)	11.792	11.028	9.255
54/55	SUBMARINE CONVERSION	6.071	4.647	8.913
99	MK V SPECIAL OPERATIONS CRAFT	14.522	35.884	41.211

Page 1 of 3 Pages Exhibit P-1 Procurement Program

## FY 1997 PROCUREMENT PROGRAM

Appropriation: Procurement, Defensewide

Millions of Dollars

Date: MARCH 1996

Line No.	Rem Nomenclature	FY 1995	FY 1996	FY 1997
AMMUNITION PROGRAMS	PROGRAMS			
57	SOF ORDNANCE ACQUISITION (SOF PYRO/DEMO)	13.224	18.689	6.161
у. 86	SOF PLATFORM GUN AMMUNITION	40.148		
86	SOF ORDNANCE REPLENISHMENT (SOF INDIVIDUAL WEAPONS AMMUNITION)	11.341	43.612	24.379
OTHER PROCI	OTHER PROCUREMENT PROGRAMS			A STATE
09	LIGHT STRIKE VEHICLE		5.856	
\$	MARITIME EQUIPMENT MODIFICATIONS		8.492	4.833
62	SPARES AND REPAIR PARTS		32.867	36.134
63	COMMUNICATIONS EQUIPMENT AND ELECTRONICS	19.610	33.349	26.617
64	SOF INTELLIGENCE SYSTEMS	23.488	25.731	19.833
8	SOF SMALL ARMS AND SUPPORT EQUIPMENT	8,804	10.764	10.613
99	SOF MARITIME EQUIPMENT (SPECIAL WARFARE EQUIPMENT)	9.840	6.842	5.030
67	DRUG INTERDICTION	2.801		
89	MISCELLANEOUS EQUIPMENT	3.891	5.216	3.030
69	SOF PLANNING & REHEARSAL SYSTEM	6.490	1.090	1.876
70	OPERATIONAL FORCE ENHANCEMENTS	85.936	78.370	75.221

Page 2 of 3 Pages Exhibit P-1 Procurement Program



## FY 1997 PROCUREMENT PROGRAM

Appropriation: Procurement, Defensewide

Date: MARCH 1996

Millions of Dollars

Line No.	Item Nomenclature	FY 1995	FY 1996	FY 1997
OTHER PROCUREMENT PROGRAMS (Cont'd)	PROGRAMS (Cont'd)			
71 PSYOP	PSYOP EQUIPMENT	.018	19.595	7.794
TOTAL PROCUREMENT		\$22.195	612.977	454.285

Page 3 of 3 Pages Exhibit P-1 Procurement Program

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## UNCLASSIFIED MODIFICATION SUMMARY

(TOA, Dollars in Millions)

System/Modification	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
C-130 MODIFICATIONS										
1. AN/AAR-44 Missile Launch Warning Receiver			4.855	4.623						9.478
2. APQ-170 Radar Upgrade (MC-130H)			8.888	8.146	8.072					25.106
3. ALQ-172 ECM Januser Upgrade (AC-130H/U, MC-130H)	51.032	19.804	19.288	17.912	17.249	13,499	10.773	10.970		160.527
4. AN/AAQ-17 Infrared Detection Set (IDS) Upgrade (AC-130H/U)		8.350	9.341	12.273	1.909	4.836	4.612			41.321
5. APQ-122(V) Band Radar Update (MC-130E)	22.620		9.128	1.445						33,193
6. APR-46 ICS			\$66.							0.995
7. Center Wing Replacement (AC-130H, HC-130P/N, MC-130B)	124.160	3.412	9.162	7.534	6.523					150.791
8. Directional Infrared Countermeasures (DIRCM) (AC-130H/U, MC-130E/H)		\$.101	23.381	15.220	\$1.275	77.012				171.989
9. Lifeline (AC-130U, MC-130H)	5.682	3.884	4.572							14.138
10. MC-130H Communications/Navigation Upgrade			10.069	4.834	6.935					21.838
11. Navigation Upgrades, Phase I (MC-130H)	16.426									16.426
12. FY 1990 Aircraft Modification Installations (AC-130H, HC-130P/N, MC-130E)	24.216	9.920			4.742					38.878
13. Active Noise Reduction		180.								0.041
14. IR Supressor (AC-130H/U)	4.473	2.956								7.429
15. MC-130H Underbelly Protection Program				1.600						1.600
16. AC-130U APU Upgnde			1.276							1.276
17. MC-130H APU Upgrade			.565	2.275						2.840
18. ALQ-172 Low Band Janmer Upgrade (AC-130U, MC-130E/H)	÷						11.380	13.563		24.943
19. P31 DIRCM (AC-130U, EC-130E, HC-130P/N, MC-130E/H)								14.874		14.874
20. EC/HC DIRCM (EC-130R, HC-130P/N)							20.585	11.714		32.299

Page 1 of 4 Pages Exhibit P-1M Modification Summary

## MODIFICATION SUMMARY

### (TOA, Dollars in Millions)

System/Modification	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
C-130 MODIFICATIONS (Cont'd)										
21. AC-130H Upgrades						3.396	3.622	5.580		14.598
22. Low Light Level TV Replacement (AC-130H)		2.500		9.823	4.638	10.507	16.981	4.620		49.069
23. 756 Quick Engine Change Kite (AC-130H, MC-130B, HC-130)						4.701	15.925	15.804		36.430
24. Gas Turbhe Replacement (AC-130H, MC-130B, HC-130)						1.726	2.727	4.977		9.380
28. HC-130 Upgrades						1.982	2.810	2.789		7.581
26. BC-130 Upgrades						246	1.451	1.441		3.836
77. AC-130H LIDAR					4.273					4.273
28. ALE-47 Chaff and Flare Dispenser (AC-130H/U, EC-130B, HC-130P/N, MC-130B/H)							7.353	7.489	8.500	23.342
29. MC-130H Air Refueling Capability						10.098	11.239	17.384		38.721
30. AC-130U PSI						18.119	20.325	25.285		63.729
31. APR-46 Upgrades (AC-130H/U, MC-130E/H)							6.256	3.504		9.760
TOTAL FOR C-136 MODIFICATIONS	248.609	55.968	101.520	85.685	105.616	146.820	138.039	139.944	8.500	1,030.701
HH-S3 MODIFICATIONS										
Interactive Defensive Avionics System (IDAS)	19,089	6.743								25.832
TOTAL FOR HH-53 MODIFICATIONS	19.089	6.743								25.832
MH-47/MH-60 MODIFICATIONS										
1. MH-47B Modifications	2.677	3.920								6.397
2. MH-60K Modifications	2.676	3.919								6.898
TOTAL FOR MH-47/MH-40 MODIFICATIONS	5.353	7.839								13.192

Page 2 of 4 Pages Exhibit P-1M Modification Summary



## UNCLASSIFIED MODIFICATION SUMMARY

### (TOA, Dollars in Millions)

System/Modification	PYe	FY95	FY96	FY97	FY98	FY99	PY00	FY01	Cost To Go	Total Program
ROTARY WING UPGRADES AND SUSTAINMENT										
1. MH-600 Puel Tenks			1.592	.192						1.784
2. MH-531 ALQ-162			.269			•				0.269
3. MH-53J AN/AAQ-18						2.831	2.810			5.641
4. MH-47/60 Aircraft Survivability Equip							14.329	18.500		32.829
5. MH-47/60 System Modifications						4.814	15.455	14.966		35,235
6. MH-47/60 Avionics Modifications							10.491	686.6		20.480
7. MH-47/60 Obstacle Avoidance System							3.747	4.183		7.930
TOTAL FOR ROTARY WING UPGRADES AND SUSTAINMENT			1.861	0.192		7.645	46.832	47.638		104.168
80F ORDNANCE ACQUISITION										
Stinger Block I			4.787							4.787
TOTAL FOR SOF ORDNANCE ACQUISITION			4.787							4.787
80F INTELLIGENCE SYSTEMS										
1. Multi-mission Advanced Tactical Terminal (MATT)	12.800	0.528	6.900	9.823	21.758	13.087	6.212	.934		72.042
2. PRIVATEER			8.555		7.199	0.641				16.395
TOTAL FOR SOF INTELLIGENCE SYSTEMS	12.800	0.528	15,455	9.823	28.957	13.728	6.212	0.934		88.437
MARITIME EQUIPMENT MODIFICATIONS										
1. MK V SOC Weapons				3.607	3.798	.085				7.490
2. MK V SOC Forward Looking Infrared					1.491	20.205				21.696
3. PC Command and Control Software Upgrades			.855	.338	.248	.123	.122			1.686

Page 3 of 4 Pages Exhibit P-1M Modification Summary

UNCLASSIFIED

## MODIFICATION SUMMARY

### (TOA, Dollars in Millions)

By stern Phoditicalica By stern Phoditicalica		FY95	FY96	FY97	FY98	FY 99	PY00	FYOI	ස් තී දී	Total
MARITIME EQUIPMENT MODIFICATIONS (Cont'd)										
4. PC Stem Play Medification				.231	.052	.057				0.340
5. PC Active Noise Cencellation			869	190.	.057					0.993
6. PC Bridge Wing Controls			300	.183	.052					0.535
7. PC Threst Warning System			5.133							5.133
8. FC Forward Locking Infrared Upgrade						6666	2.770	.347		13.116
9. PC Propeller Upgrade			1.192	.212	331					1.735
10. PC Mission Dependent Modular Aft Deck						2.141	2.030	2.113		6.284
11. PC Surface-to-Surface Missile System						15.441	29.593	46.812		91.846
TOTAL FOR MARITIME EQUIPMENT MODIFICATIONS			8.349	4.638	6.029	48.051	34.515	49.772		150.854
TOTAL FOR ALL MODIFICATIONS	285.851	71.078	131.972	100.338	140.602	216.244	225.598	237.788	8.500	1,417.971

131.972

Page 4 of 4 Pages Exhibit P-1M Modification Summary



UNCLASSIFIED

## PROCUREMENT PROGRAM - INSTALLATION SUMMARY

### (TOA, Dollars in Millions)

System/Modification	PYs	FY95	FY96	FY97	FY98	FY99	FY00	FY01	Cost To Go	Total Program
C-130 MODIFICATIONS										
AC-130H LOW LIGHT LEVEL TV (LLITY) REPLACEMENT						0.300	0.800	.500	.300	1.900
UARRSI	7.500									7.500
ALQ-172 BCM JAMMER UPGRADB				.800	1.600	.400				2.800
CENTER WING REPLACEMENT	42.900	3.412	9.162	7.534	6.523					69.531
LIFBLINB	0.500		4.572							5.072
FY 1990 ARCRAFT MODIFICATION INSTALLATIONS	24.176	9.920			4.742					38.838
NAVIGATION UPGRADES, PHASE I	009									0.600
TOTAL C-138 MODIFICATIONS	75.676	13,332	13.734	8.334	12.865	0.700	0.800	0.500	0.300	126.241
HH-53 MODIFICATIONS										
INTERACTIVE DEFENSIVE AVIONICS SYSTEM (IDAS)		•								
TOTAL FOR HH-53 MODIFICATIONS		•								
* INSTALLATION COSTS LESS THAN \$50K										
ROTARY WING UPGRADES AND SUSTAINMENT										
MH-60G FUEL TANKS				0.192						0.192
TOTAL FOR ROTARY WING UPGRADES AND BUSTAINMENT				0.192						0.192
SOP INTELLIGENCE SYSTEMS										
MULIT-MISSION ADVANCED TACTICAL TERMINALS (MATT)					4.200	5.400	3.600			13.200
TOTAL FOR SOF INTELLIGENCE SYSTEMS					4.200	5.400	3.600			13.200
MARITIME EQUIPMENT MODIFICATIONS										
PATROL COASTAL C2 SOFTWARE UPORADE			909							0.600

Page 1 of 2 Pages Exhibit P-1N Procurement Program - Installation Summary

UNCLASSIFIED

## PROCUREMENT PROGRAM - INSTALLATION SUMMARY

(TOA, Dollars in Millions)

System/Modification		86A4	FY96	FY97	86Ad	66AJ	FY00	FYOI	Cost	Total
Maritime equipment modifications (Cont's)	A management of the second of								de la company de	
PATROL COASTAL STERN FLAP MODIFICATION				.100	.062	.067				0.209
PATROL COASTAL ACTIVE NOISE CANCELLATION				.067	.057					0.124
PATROL COASTAL BRIDGE WING CONTROLS				.183	.052					0.235
PATROL COASTAL FORWARD INFRARED UPGRADE							1.193	.347		1.540
PATROL COASTAL PROPRILER UPGRADE				212	333					0.543
MK V SPECIAL OPERATIONS CRAFT WEAPONS					.160	060				0.190
total for maritime equipment modifications			0.600	0.562	0.592	0.147	1.193			3.094
TOTAL FOR ALL MODIFICATIONS	75.676	13.332	14,334	9.088	17.657	6.247	5.593	0.847	0.300	143.074

Page 2 of 2 Pages Exhibit P-1N Procurement Program - Installation Summary



## SPARE and REPAIR PARTS

USSOCOM / Procurement, Defensewide Summary

Service: United States Special Operations Command

Submission: FY 1997 President's Budget Date: March 1996

### Millions of Dollars

WILLIAM VI POINTS			
APPROPRIATION	FY 95	PY 96	FY 97
PROCUREMENT - AVIATION	1.534	25.074	20.296
PROCUREMENT - SHIPBUILDING		7.793	15.838
TOTAL SPARE AND REPAIR PARTS	1.534	32.867	36.134
Note: FY 95 costs are in Aircraft Support P-1.			A Section 1

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BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	MAF	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM RADIO FI	P-1 ITEM NOMENCLATURE RADIO FREQUENCY MOBILE ELECTRONIC TEST SET	B LE ELECTRONIC	TEST SET		
	FY95	96XA	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	13.945	21.093	14.340	1.388	8.758	2.343	.774

Forces (SOF) common mobile intermediate-level tester for critical avionics of the AC-130H, AC-130U and MC-130H aircraft. In 1991, the program began procurement of 20 off-the-shelf test units and the development of software test program sets (TPSs), and ancillary equipment MISSION AND DESCRIPTION: The Radio Frequency Mobile Electronic Test Set (RFMETS) is a program to provide Special Operations (SRUs) in the LRUs for: MC-130H APQ-170 Radar; AC-130U APQ-180 Radar; APQ-102 Mission Computer; displays, communications, for certain Line Replaceable Units (LRUs). This program provides organic depot-level repair capability for the Shop Replaceable Units and control LRUs; and the AC-130H communications and display LRUs.

AC-130U ALLTV. Not obtaining these capabilities would require maintaining the more costly contractor logistics support for this program. Funds are also required for ECPs to ongoing contracts for LRU and SRU TPS development. AP-102A Mission Computer. Funds will also be used to complete the acquisition of the organic intermediate level support capability of the required for organic depot-level repair capability of the MC-130H APQ-170 Radar as well as to acquire depot capability for the common FY 1997 PROGRAM JUSTIFICATION: Funds will be used primarily to procure the initial subset (approximately 30%) of the TPSs

		recurrency Described and Line, June 12	Kento	Madio Frequency Mobile Mectronic Test Set	Modile Ele	ctronic lest	Sec.			MARC	MAKCH 1990	
	Ident.			M	FY 1995		The Control of the Co	FY 1996		district to the control of the contr	FY 1997	The state of the s
Weapon System Cost Elements	Code		Can	Unit Cost Q	QIY To	Total Cost	Unit Cost	QTY.	Total Cont	Unit Coat	QTY	Total Cost
1. RFMEIS Program												
A. Production Engineering Support	N/A					2,212			2,828			310
B. AC-130U SE	A					7,000		VAR	9,515			1,600
C. MC-130H SB	A								5,050			10,700
D. Common SE	4			A	VAR	4,733	A Commence of the Commence of	VAR	3,700			1,730
STORT (GORMON) SERVICE							de formation de la constant					
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	Waterweight Company			Canada Ca								
	CATALOG CATALOG CONTRACTOR			-								
				The second secon			and the state of t					
er en							Period Entrophysics					
P-1 LINE ITEM TOTAL						13,945			21,093			14,340
OL ON WHIT TRI DINING IN			A CONTRACTOR OF THE PERSON OF	and the latest and th	or other Designation of the last	Name and Address of the Owner, where the Owner, which is the Owne		The second second		A CONTRACTOR OF THE PARTY OF TH	-	2 2 3 3 4

BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	IN SHEET		DATE	MA	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM ROTARY	P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT	B S AND SUSTAINN	AENT		
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)		8.415	4.788	6.106	18.803	61.491	66.980

simple autonomous ground-based units with an air-to-air capability specifically targeted against rotary wing aircraft. Third world operations MISSION AND DESCRIPTION: A requirement exists to provide aviation support to Special Operations Forces in world-wide contingency penetration of hostile areas. These aircraft must be capable of operating at extended ranges under adverse weather conditions to infiltrate, provides for ongoing survivability, reliability, maintainability, and operational upgrades as well as procurement appropriation sustainment provide logistics for, reinforce, and extract Special Operations Forces. The threat is capable of sophisticated data linked systems and/or operations and low-intensity conflicts. The specialized aircraft for these missions must be capable of rapid deployment and undetected cost for fielded rotary wing aircraft and subsystems. These include the MH-60G/L/K, MH-53J, TH-53A, and MH-47D/E helicopters. are apt to involve greater distances and more challenging geographical environmental conditions than the European theater. Program

210/Demand Assigned Multiple Access modern integration per Joint Chiefs of Staff directive for standardization, Night Vision Head Up 1. MH-47E/MH-60K. Provides for digital terrain module memory upgrade for compressed Defense Mapping Agency data, ARC-Display standardization and aircraft integration, and ALQ-136/162 aircraft survivability equipment amplifier upgrade.

FY 1997 PROGRAM JUSTIFICATION: Supports several subsystem upgrade efforts. Improves and increases the digital map system memory storage and transfer system; provides for standardization and aircraft integration of the Night Vision Head Up Display; and upgrades the amplifier of the ALQ-136/162 aircraft survivability equipment.

APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2					MARCH 1996		
	P-1 ITEM NG ROTARY WI	P-1 ITEM NOMENCLATURE ROTARY WING UPGRADES AND SUSTAINMENT	AND SUSTAIN	MENT			
2. MH-60G. Acquires and makes needed aircraft modifications to install external 230 gallon fuel tanks for extended range operations. Acquires two Portable Engine Analysis Test Sets (PEATS). Funds AAQ-16 Forward Looking Infrared (FLIR) Interim Contractor Support.	aircraft modifications to	install external AAQ-16 Forwa	230 gallon rd Looking	fuel tanks for Infrared (FI	or extended r JR) Interim (	ange operatic Contractor Si	ons. upport.
FY 1997 PROGRAM JUSTIFFICATION: Provides for installation of external fuel tanks for extended range operations.	Provides for installation o	f external fuel	ianks for ext	ended range	e operations.		
3. MH-531. Funds reliability/maintainability upgrades for the ALQ-162 and AAQ-18.	ity upgrades for the ALQ	-162 and AAQ	60				
	MODIFICATION SUMMARY	SUMMARY FOR ROTARY WING AIRCRAFT	VING AIRCRAI	E			
DESCRIPTION	FY 25	FY 96	FY 97	FY 98	FY 99	FY 90	FY 01
1. MH-60G Fuel Tanks		1.592	.192				
2. MH-53J ALQ-162		.269					
3. MH-531 AN/AAQ-18					2.831	2.810	
4. MH-47/60 Aircraft Survivability Equip						14.329	18.500
5. MH-47/60 System Modifications					4.814	15.455	14.966
6. MH-47/60 Avionics Modifications						10.491	9.989
7. MH-47/60 Obstacle Avoidance System						3.747	4.183
TOTAL	ø	1.861	0.192		7.645	46.832	47.638
P-1 SHOPPING LIST, ITEM NO. 41					EXHIBIT P.40	Page 2 of 2 Pages EXHIBIT P.40 Budges from Instification Shoet	Page 2 of 2 Pages
	OND	UNCLASSIFIED				and the second	

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.S) - Aviation	A. Appro Procurem	A. Appropriation/Budget Activity Title/No. Procurement, Defeniewide/Proc. Just. 72	B. Line Item ROTARY W	B. Line Item Nomenclature ROTARY WING UPGRADE/SUSTAINMENT	SUSTAINM	ENT			C. DATE:	TE: MARCH 1996	
	Ident.			FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code		Unit Cost	QTY Tot	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
1. MH-47E/MH-60K											
A. MH-47E/MH-60K Subsystem Upgrades	٧							4,552			4,155
B. MH-53 Sustainment	N/A										441
Subtotal								4,552			4,596
2. MH-60G											
A. AAQ-16 ICS	4							1,686			
B. PEATS	٧					158.000	2	316			
Subtotal								2,002			
Modifications								1,861			192
Subtotal								1,861			152
LINE ITEM TOTAL								8,415			4,788

P-1 SHOPPING LIST, ITEM NO. 41

Page 1 of 1 Pages EXHIBIT P-5, Weapon System Cost Analysis

BUL	BUDGET PROCUREMENT	HISTORY	AND PLANNING				Å	DATE:	March 1996	96
B. APPROPRIATION/BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE/2	LA			C. P-1 ITEM ROTARY		FA	AND SUSTAINMENT	INMENT	de de la companya de	
LINB TIEM/ FISCAL YBAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPBC REVIS REQ'D	YES, WHEN AVAIL
2. MRI-603 C. PHATS FY 96	Howell fastraments	Local Purchase	NA	JUN 96	DBC 96	2	158.000			
	Fr. Worth, T.K.									
D. REMARKS		And the second s	Name of the state		A control of the cont					

P-1 SHOPPING LIST, ITEM NO. 41



Page 1 of 1 Page EXHIBIT P-5A Procurement History and Planning

DATE: MARCH 1996

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MODELS OF SYSTEMS AFFECTED: MH-60G PUEL TANKS MODELS OF SYSTEMS AFFECTED: MH-60G DESCRIPTION/JUSTIFICATION:

External 230 gallon fuel tanks upgrade for serial refueling capability (two fuel tanks per aircraft).

Annual of the Park of the Park of	
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PDR: Sep 94; CDR; Nov 94; 1st trial install: 1st Qtr FY95; 1st production i	l: 1et Otr	1 ; S6XF	st production	o install	Ist Otr P	Y97, Ai	install; 1st Qrr FY97, Aircraft Breakout: 0 ANG; 0 ARFBS; 10 Active (Pave Hawk)	ut: 0 A	NG; 0 ARFE	39; 10 Acti	ve (Pave !	(awk)							
FINANCIAL FLAN: (\$ in inillions)	M	_	PY95	×	PY96	9	PY97		FY98		PY99	PY00	002	FY01	_	70		TOTAL	Ļ
	£	60	È	••	ŧ	•	È	4	S AN	8	49	s S	5	È	49	È	69	ð	*
RDT&B																			
PROCURBMENT																			
Installation Kita					20	1 4									l			00	1

Ч	Installation Kits		20 1.4			20	1.4	
ā	Installation Kit Nonrecurring		20 0.1			20	0.1	
国	Equipment						Ī	
国	Equipment Nonrecurring							
A	Engineering Change Orders							
Σ	Mod of Spares (20)		0.1				0.1	-
								CAC-ER
Ţā	Installation of Hardware							-
	PY.							_
	PY95							
	FY96							-
	FY97		20 0.2			20	0.2	
	FY98							-
	FY99							
	FY00							_
	FY01							
	To Complete							_
To	Total Installation Cost		20 0.2			20	0.2	7
	Total Procurement Cost		1.6 0.2					
METHO	METHOD OF IMPLEMENTATION:	DBPOT	ADMINISTRATIVE LEA	ADMINISTRATIVE LEADTIME: 6 MONTHS	PRODUCTION LEADTIME: 12 MONTHS	12 MONTHS		
CONTR	CONTRACT DATE:	Current Year:	Budget Year 1: 2/96	Budget Year 2:	-		1	
DELIVE	DELIVERY DATE:	Current Year:	Budget Year 1: 2197	Budget Year 2:	.			
P-1 3HO	P-1 SHOPPING LIST, ITEM NO. 41					Page 1 of 3 EXHIBIT P-3A	e 1 of 3	
			TAINT A CONTINUE					

## UNCLASSIFIED MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MH-60G FUEL TANKS INSTALLATION SCHEDULE:

QUARTERS		
INPUT	<b>Q</b>	8
M		
. S6 1.4		
PY 96		
FY 97		
FY 98		
FY 99		
FY 2000		
FY 2001		

5	3	0, 400 (P)	account to		
FY 1995		- Anna Carlo			
il.	7				

QUARTERS OUTPUT

FY 95 FY 96 FY 97

PW

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The state of the s	2					
No. of Concession, Name of Street, or other Persons, or other Pers	-					

10

10

FY 1997

FY 1995

FY 1996

	4		
	m	9	
FY 1997	2		
		01	

Page 2 of 3 Exhibit P-3A

UNCESPIED

P-1 SHOPPING LIST, ITEM NO. 41

FY 2000 FY 2001

FY 98

MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

MODIFICATION TITLE: MH-60G FUEL TANKS INSTALLATION SCHEDULE:

TOT	PGM				20						TOT	PGM				20				
To	COMP										To	COMP								
	4					l						4								
100	3										100	3								
FY 2001	2										FY 2001	2								
	1											1								
								-												
	4											4								
FY 2000	3										FY 2000	3	-							
FY	2										FY	2								
	quad											1								
- 1				_	1					1										
	4						_					4								_
FY 1999	9										FY 1999	3								
FY	7									ļ	FY	2								
	-									l ,		-								
	4		-		_						~	4								
FY 1998	3										FY 1998	3								
E	2										FI	2								
	<del>-</del>								to a supplementary			1								
QUARTERS	INFO	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001		QUARTERS	OUTFUL	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001

P-1 SHOPPING LIST, ITEM NO. 41

Page 3 of 3 Exhibit P-3A

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BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	IN SHEET		DATE	MAI	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM SOF TRA	P-1 ITEM NOMENCLATURE SOF TRAINING SYSTEMS	83			
-	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY		-			1		
COST (In Millions \$)		21.151	1.074	.477	8.535		

MISSION AND DESCRIPTION: This P-1 line funds procurement of ground-based trainers to support initial training. Also funds Data Base Generating Equipment required for building and maintaining real-world training and mission rehearsal scenarios. FY97 PROGRAM JUSTIFICATION: Procures initial Gunship Aircrew/Maintenance Training System Battle Management Center support subsystems.

P-1 SHOPPING LIST, ITEM NO. 42

Appropriation / P-1 Line Item Procurement, Defensewide / SOF Training Systems	em SOF Trai		CHAINCE AND COMPANY OF STATE O	JUSTIFICATION (SQUO)	(\$000)		DATE: MARCH 1996	1996	
		ining Systems		Weapon System Special Operations Forces	Forces		Equipment Nomenclature AC-130U Gunship Airore Systems (GA/MTS)	Equipment Nomenclature AC-130U Gunship Aircrew/Maintenance Training Systems (GA/MTS)	ice Training
	care	FY 1998	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	Total
Quantity		0	gang)	0	0	Card.	0		2
Procurement		a de la companya de l	21,151	1,074	sm	8,535			31,237
RDT&E			2,437	9,759	11,985	8,103	9,333	1,871	43,488
O&S				1,249	1,344	1,435	1.477	1,522	7,027

TRAINING SYSTEM DESCRIPTION:

training for the AC-130U Gunship aircraft. The need for GA/MTS is driven by inadequate ground-based training or mission rehearsal capability for the and flight engineers. Additionally, the Instructor Operator Station will provide role-playing capabilities. GA/MTS will be networked with other AFSOC sensor operator, and electronic warfare officer crew stations and a flight station with full fidelity, six degrees of freedom motion simulation for the pilots ground-based combination training and mission rehearsal system to support initial, mission, special qualification, continuation, upgrade and maintenance mission rehearsal devices. The Satellite SOFPREP DBGS consists of a workstation (mini-DBGS) used to enhance data bases required for joint training testbed, will refine requirements for system fidelity and provide an initial operational capability for the Navigator and Fire Control Officer (NAV/FCO) This project funds the AC-130U Gunship Aircrew/Maintenance Training Systems (GA/MTS) and the Satellite SOFPREP Data Base Generation System crew stations. The second component will build a complete BMC with a NAV/FCO, All Light Level Television and Forward Looking Infrared Radar aircrew and maintenance personnel. The GA/MTS will consist of two primary components. The first component, Battle Management Center (BMC) (DBGS). Supports SOF rotary wing aircraft and develops training capabilities for SOF fixed wing aircraft. The GA/MTS develops an integrated, and mission rehearsal

P-1 Shopping List No. 42

EXHIBIT - P-43, Page 1 of 3 P-43 Simulator & Training Device Justification

	SIMULATO	SIMULATOR AND TRAINING	1 1	DEVICE JUSTIFICATION (Page 2) (\$000)	TION (Pa	ge 2) (\$000)				DATE: N	DATE: MARCH 1996	96
Appropriation / P-1 Line Item Procurement, Defensewide / SOF Training Systems	Training Syst	cms	Weapon Syst Special Opers	Weapon System Special Operations Forces		IOC Date: BMC - 4Q/FY97 Flight Station - 1Q/FY90		Equipment Nomend AC-130U Gunship Maintenance Traini Systems (GA/MTS)	Equipment Nomenclature AC-130U Gunship Aircrew/ Maintenance Training Systems (GA/MTS)	ature sircrew/ s	PE: 1160404BB	404BB
					<u>a</u>	Prior Years	FY	FY 1995	FY	FY 1996	FY 1997	266
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost
GA/MTS BMC Testbed*	Hurlburt	4Q/FY97	2Q/FY98	100					1	20,151		
GA/MTS Aircrew Tng Device**	Hurlburt	1Q/FY00	1Q/FY00	200								
REMARKS:  * GA/MTS BMC Testbed - Gunship Aircrew/Maintenance Training Systems Battle Management Center Testbed provides residual training capability for Navigator/Fire Control	Gunship Aircr	cw/Maintenan	ce Training Sy	stems Battle M	anagement	Center Testbed	provides n	esidual train	ing capabil	lity for Nav	igator/Fire	Control

Officer crew stations.

GA/MTS ATD - Gunship Aircrew/Maintenance Training Systems Aircrew Training Device includes complete BMC and flight deck.

\*

P-1 Shopping List Item No. 42

EXHIBIT - P-43, Page 2 of 3 P-43 Simulator & Training Device Justification

SIMIS	SIMULATOR A	AND TRAINING DEVICE	NG DEVIC	E JUSTIFICATION	R	(Page 3) (\$000)				DATE: MARCH 1996	RCH 1996	
Training Device by Type AC-130U Gunship Aircrew/Maintenance Training Systems (GA/MTS)	aintenance '	Training Syst	me (GA/MT	(8)		Weapon System Special Operations Forces	sm tions Force	88	MARKET STATE OF STREET			
Description/Justification: A contractor-managed, simulator-type aircrew training system of an initial operational capability Battle Management Center providing real-world mission training and rehearsal capability Generation System (DBGS).	simulator-i capability ision train	type aircre Battle Ma ing and rel	w training nagement nearsal ca	system wh Center tra	which productrainer and for AC-130 a	which produces a qualified aircrew member. Funds procuren trainer and testbed and a full operational capability Aircrew for AC-130 aircraft. Also funds procurement of a SOFPREP	ied aircr a full op so funds	ew member perational c	Funds apability	par s	ent and depl Training Syst Mini-Data B	ployment stem Base
Financial Plan		Prior Years	E	FY 1995	FY	FY 1996	£	FY 1997	Cost t	Cost to Complete	Tot	Total Cost
	QTY	Cost	QUY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTV	Cost
HARDWARE COSTS												
Device (Hardware)					<b>€</b> 24	17,851			¢zeel	7,112	2	24,963
ECOs						1,000				800		1,800
Nonrecurring												
GPE												
Other						1,300						1,300
Total Hardware Costs						20,151				7,912		28,063
SUPPORT COSTS												
Special SE (Mini-DBGS)						\$00						800
Integrated Log Support												
Other (Spares/Data/Misc.)						\$00		1,074	<b>4</b>	1,100		2,674
Total Support Costa						1,000		1,074	40	1,100		3,174
Software/Courseware												
TOTAL COSTS						21,151		1,074	4	9,012		31,237
10 11 11 11 11 11	5									ā	VHIRIT P.	PYHIRIT PA3 Poor 3 of 3

P-1 Shopping List Item No. 42

EXHIBIT P-43, Page 3 of 3 P-43 Simulator & Training Device Justification





BUDGET ITI	BUDGET ITEM JUSTIFICATION SHEET	v sheet		DATE	MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM   MC-130H (	P-1 ITEM NOMENCLATURE MC-130H COMBAT TALON II				
	FY95	PY96	FY97	FY98	FY99	PY00	FY01
QUANTITY						•	
COST (In Millions \$)	38.324	20.683	8.067	5.326	3.869		

MISSION AND DESCRIPTION: The Combat Talon (CT II) is a production and sustainment program in which a specialized avionics suite Requirements Document by establishing organic intermediate and depot level maintenance capability on the APQ-170 Radar, nose radome, has been integrated into a C-130H airframe. Its mission is to conduct night, adverse weather, low-level, long-range operations in hostile, politically denied/sensitive, defended areas to infiltrate, resupply, or exfiltrate special operations forces and equipment. All 24 MC-130H and AP-102A Mission Computer. All sustainment upgrades and modifications for the MC-130H airframe are now described in the aircraft have been procured in prior years. Ongoing efforts focus on meeting operational requirements in the System Operational C-130 Modifications P-1 line.

FY 1997 PROGRAM JUSTIFICATION: Provides resources for interim contractor support to meet system maintenance requirements until organic depot facilities are in place, avionics Government furnished equipment, and publications/technical data printing. EXHIBIT P-40 Budget Item Justification Sheet

Page 1 of 1 Page

	Procureme	Progressed, Defensewide/Proc. Just. 12	MC-130H/Combet Telon III	nbet Telon III	Newson 1	C. Manufacturer Name, Plant City/State Location Lockheed/Loral (IBM)/Manietta, GA	al (IBM)/Mariette,	ariette, GA	Mathematica and a second	MARCH	1996
A CONTRACTOR OF THE PROPERTY O	Ideal.			FY 1995			FY 1996		the state of the s	FY 1997	
Weapon System Cost Elements	Code Code		Unit Cost	WIT.	Total Cost	Unit Con	QTV	Total Cost	Unit Cost	YTO	Total Cost
ENGINE/ACCESSORIES		CONTRACTOR AND									
AVIONICS											
e, CFB	N/A				3,153						
b. GFB	N/A				B			1,203			204
SERVICE REPORTS/PQDRa	N/A										
OTHER GFB											
ECO (All Fiyaway Components)								The state of the s			
NON-RECURRING COSTS					2517						
(Tooling)											
(Other)	N/A										
OTHER COSTS	N/A			A March and Control of the Control o	The second secon						
Subtotal FLYAWAY COST					5,671			1,203			204
AIRFRAME PGSE	N/A				6,871						
EXTEND. INTEG. SPT. ENVIRON. (FISE)	N/A										
AVIONICS PGSB	N/A				2,580			17,008			
PECULIAR TRAINING EQUIPMENT											
PUBLICATIONS/TECH. DATA	N/A				88						30
INTERIM CONTRACTOR SUPPORT	N/A				18,911			1,937			7,499
отнек					4,273			535			334
Subtotal SUPPORT COST					32,653			19,480			7,863
GROSS P-1 END COST					38,324			20,683			8,067
LESS: PRIOR YR. ADV. PROC.											
NEF P-1 FULL FUNDING COST					38,324			20,683			8,067
Plus Current Year ADV. PROC.											
Other Non P.1 Weapon System Costs											
Initial Spares											
Modification Summary									and the control of th		
TOTAL					38,324			20,683			8,067
P-1 SHOPPING LIST, ITEM NO. 43										Page	Page 1 of 1 Pages
								XHIBIT P	EXHIBIT P-5, Weapon System Cost Analysis	System C	set Analysis



goring	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	MAF	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	/IIY 2	P-1 ITEM AC-130U	P-1 ITEM NOMENCLATURE AC-130U GUNSHIP	E			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	71.199	62.216	44.800	34.696	18.694	18.414	8.330

tracking capability. Further enhancements to the AC-130U are a pressurized cabin for deployment plus inflight reconfiguration-for-firing ability. The primary mission for the AC-130U will be precision fire support for Special Operations Forces, but it will have the flexibility to MISSION AND DESCRIPTION: The AC-130U is a new production C-130H airframe converted to a side-firing gunship configuration with Detection System and All Light Level Television. A Trainable Gun Mount System for the 25mm cannon will give the AC-130U dual target advanced sensors, weapons and a digital avionics suite that will provide enhanced operational capability and reliability over the current AC-130H. Mission equipment will include automated fire control radar that will give the AC-130U all-weather strike capability, Infrared perform armed escort, surveillance, search and rescue, and armed reconnaissance.

FY 1997 PROGRAM JUSTIFICATION: Provides resources for post production support and continued interim contractor support (ICS) of contractor furnished support equipment. ICS will provide the capability to maintain the aircraft avionics and software until the entire weapon system becomes completely organic for support in the FY 2000 - FY 2001 time-frame. Resources are also provided for the modification of technical orders.

P-1 SHOPPING LIST, ITEM NO. 44

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.S Avladon	A. Appropriation/Budget Progressor! Defensesored	A. Appropriation/Budges Activity Title/No. Procurement Defenses/HelPmc. Just 2.	B. Wpn Model/Series	B. Wpn Model/Series/Popular AC-1301 GUNSHIP	lar Name	C. Manufactur	rer Name, F	C. Manufacturer Name, Plant City/State Location Lockheed/Rockwell Int'l. Palmdele, CA	Location	DATE:	9001
	Ident.			PY 1995			FY 1996			FY 1997	
Wespon System Cost Mements	Code		Unit Cost	MA	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	OTA	Total Cost
AIRFRAMES/CFB											
ENGINE/ACCESSORIES											
a. CFB											
b. GFB	€				3,196						
ARMAMENT											
ECO (All Flyaway Components)											
SERVICE REPORTS/PQDRa	N/A				12,535						
OTHER COSTS & ECO											
Subtotal FLYAWAY COST					15,731						
AIRFRAME PGSE											
ENGINE POSE											
AVIONICS PGSB	¥							1,220			
I LEVEL SUPPORT EQUIPMENT	A							2,266			
PUBLICATIONS/TECH. DATA	N/A				12,806			16,122			
INTERIM CONTRACTOR SUPPORT	N/A				32,665			26,000			28,278
INTERIM CONTRACTOR SUPPORT (SFTW.)	N/A				6,630			8,610			8,297
OTHER (GFB SPI/GFB-REP & SOFT SPT RI)	N/A				3,367			7,998			8,225
INITIAL SPARES											
Subtotal SUPPORT COST					55,468			62,216			44,800
GROSS P-1 END COST					71,199			62,216			44,800
LESS: PRIOR YR. ADV. PROC.											
NET P-1 FULL FUNDING COST					71,199			62,216			44,800
Phs Current Year ADV, PROC.											
Other Non P-1 Weapon System Costs											
Initial Spares	N/A										
Modifications											
TOTAL					71,199			62,216			44,800
D 1 SHODDING I IST ITPM NO AA				The same of the sa						Dage	of 1 Dage

P-1 SHOPPING LIST, ITEM NO. 44

Page 1 of 1 Pages EXHIBIT P-5, Weapon System Cost Analysis



BUDGET IT	BUDGET ITEM JUSTIFICATION SHEET	IN SHEET		DATE	SEPTI	SEPTEMBER 1995	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM C-130 MC	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS	£			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	55.968	109.800	86.677	117.011	146.820	138.039	139.944

comprised of modifications generated from mission performance deficiencies, logistics problems and changes in the mission of the C-130 MISSION AND DESCRIPTION: Program provides for numerous modifications to various models of the C-130 aircraft. Program is

installs 16 systems. Funds for the procurement of nine and installation of five AAQ-17 Infrared Detection Set systems; procures and installs FY 1997 PROGRAM JUSTIFICATION: Procures final ALQ-172 Pave Mint Low Band Jammer system for the AC-130H and funds for the inch data transfer systems on the MC-130H. Installs seven center wing boxes on Special Operations Forces aircraft; funds for high priority Underbelly Protection Systems for MC-130H aircraft; upgrades 16 auxiliary power units (85-180L) MC-130H aircraft; modifies the last 65 AC-130U service reports selected from a list of 82 defined, out-of-scope deficiencies discovered during flight test; funds for reliability and 12 Single Channel Ground-to-Air Radio Systems, Narrow Band Satellite Communications, Automatic Communications Processor, and 3.5 maintainability upgrades on the MC-130H APQ-170 radar identified by the field and during lab testing; procures and installs the first 16 production installation of the first two production ALQ-172 systems. Procures seven Directional Infrared Countermeasures Systems and AAR-44 Missile Warning Receivers; funds interim contractor support on the APQ-122 upgrade; and funds for the upfront non-recurring engineering on the AC-130H Low Light Level TV.

Note: AC-130 and MC-130 modification funding transferred from those respective P-1 lines to C-130 Modifications P-1 line effective FY

P-1 SHOPPING LIST, ITEM NO. 45/46

EXHIBIT P-40 Budget Item Justification Sheet Page 1 of 4 Pages

BUDGET ITEM JUSTIFICATION SHEET	4	DATE		SEPTEMBER 1995	IER 1995		Supplier of American and Section 2
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS						
MODIFICA	ICATION SUMMARY FOR C-130 AIRCRAFT	AIRCRAFT					
DESCRIPTION	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
1. AN/AAR-44 Missile Launch Warning Receiver		4.855	4.623				
2. APQ-170 Radar Upgrade (MC-130H)		8888	8.146	8.072			
3. ALQ-172 Electronic CM Jammer Upgrade (AC-130H/U, MC-130H)	19.804	19.288	17.912	17.249	13.499	10.773	10.970
4. AN/AAQ-17 Infrared Detection Set (IDS) Upgrade (AC-130H/U)	8.350	9.341	12.273	1.909	4.836	4.612	
5. APQ-122(V) Band Radar Update (MC-130E)		9.128	1.445				
6. APR-46 ICS (AC-130H/U, MC-130E/H)		\$66.					
7. Center Wing Replacement (AC-130H, HC-130P/N, MC-130E)	3.412	9.162	7.534	6.523			
8. Directional Infrared Countermeasures (DIRCM) (AC-130H/U, MC-130E/H)	5.101	23.381	15.220	51.275	77.012		
9. Lifeline (AC-130U, MC-130H)	3.884	4.572					
10. MC-130H Communications/Navigation Upgrade		10.069	4.834	6.935			
11. FY 1990 Aircraft Modification Installations (AC-130H, HC-130P/N, MC-130E)	9.920			4.742			
12. Active Noise Reduction	.041						
13. IR Suppression (AC-130H/U)	2.956						
14. MC-130H Underbelly Protection Program			1.600				

P-1 SHOPPING LIST, ITEM NO. 45/46

UNCLASSIFIED

Page 2 of 4 Pages EXHIBIT P-40 Budget Item Justification Sheet



BUDGET ITEM JUSTIFICATION SHEET	ввт	DATE		SEPTEMBER 1995	ER 1995		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE C-130 MODIFICATIONS						
							osso tolic
MODIFICATI	MODIFICATION SUMMARY FOR C-130 AIRCRAFT (Cont'd.)	RAFT (Cont'	1.)		•		
DESCRIPTION	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
15. AC-130U APU Upgrade		1.276					
16. MC-130H APU Upgrade		.565	2.275				
17. Low Light Level TV Replacement (AC-130H)	2.500		9.823	4.638	10.507	16.981	4.620
18. Other Outyear Modifications:							
A. ALQ-172 Low Band Jammer Upgrade (AC-130U, MC-130E/H)						11.380	13.563
B. P31 DIRCM (AC-130H/U, EC-130E, HC-130P/N, MC-130E/H)	0						14.874
C. EC/HC DIRCM (EC-130E, HC-130P/N)						20.585	11.714
D. AC-130H Upgrades					3.396	5.622	5.580
E. T56 Quick Engine Change Kits (AC-130H, MC-130E, HC-130)					4.701	15.925	15.804
F. Gas Turbine Replacement (AC-130H, MC-130E, HC-130)					1.726	7.727	4.927
G. HC-130 Upgrades					1.982	2.810	2.789
H. EC-130 Upgrades					.944	1.451	1.441
I. AC-130H LIDAR				4.273			
A STORMAN TION TOWN TO AS INC.						Doge 2	Dogs 2 of A Dogs

P-1 SHOPPING LIST, ITEM NO. 45/46

Page 3 of 4 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET	SHEET	DATE		SEPTEMBER 1995	ER 1995		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMBNCLATURE C-130 MODIFICATIONS						
·							
MODIFICA	MODIFICATION SUMMARY FOR C-130 AIRCRAFT (Cont'd.)	RAFT (Cont'	d.)				a control of the second
DESCRIPTION	RY 95	FY 96	FY 97	FY 98	FY 99	FY 00	EV 01
<ol> <li>ALE-47 Chaff and Flare Dispenser (AC-130 H/U, EC-130E, HC-130P/N, MC-130E/H)</li> </ol>	3, HC-					7.353	7.489
K. MC-130H Air Refueling Capability					10.098	11.239	17.384
L. AC-130U P3I					18.119	20.325	25.285
M. APR-46 Upgrades (AC-130H/U, MC-130E/H)						6.256	3.504
TOTAL	55.968	101.520	85.685	105.616	146.820	138.039	139.944
P-1 SHOPPING LIST, ITEM NO. 45/46	TINCE A COURTER			EXHIBIT	Page 4 of 4 Pages EXHIBIT P-40 Budget Item Justification Sheet	Page 4 Item Justific	Page 4 of 4 Pages Justification Sheet



WEAPON SYSTEM COST ANALYSIS EXHIRT (P.S Avision	A. Appro	A. Appropriation/Budget Activity Title/No. Procurement Defensewide/Proc. Just./2	B. Wpn Model/Series/Pop C-130 MODIFICATIONS	B. Wpn Model/Series/Popular C-130 MODIFICATIONS	Nemo	C. Manufactu TBD	rer Name, P	C. Manufacturer Name, Plant City/State Location	Location	DATE: MARCH 1996	966
	Ident.			FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code		Unit Cort	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
AIRFRAMES/CFB											
ENGINE/ACCESSORIES											
a. CFB											
b. GFB											
-											
ECO (All Flyaway Components)											
SERVICE REPORTS/PQDRs	V/N							8,280			266
OTHER COSTS & ECO											
Subtotal FLYAWAY COST								8,280			882
AIRFRAMB PGSB											
ENGINE PGSE											
AVIONICS PGSE											
I LEVEL SUPPORT EQUIPMENT											
PUBLICATIONS/TECH. DATA											
INTERIM CONTRACTOR SUPPORT											
ОТНЕК											
INITIAL SPARES											
Subtotal SUPPORT COST											
GROSS P-1 END COST								8,280			266
LESS: PRIOR YR. ADV. PROC.											
NET P-1 FULL FUNDING COST								8,280			992
Plus Current Year ADV. PROC.											
Other Non P-1 Weapon System Costs		•									
Initial Spares											
Modifications					55,968			101,520			85,685
TOTAL					55,968			109,800			86,677
P-1 SHOPPING LIST, ITEM NO. 45/46	46									Page 1	Page 1 of 1 Pages

EXHIBIT P-5, Weapon System Cost Analysis

DATE: MARCH 1996

### INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/AAR-44 MISSILE LAUNCH WARNING RECEIVER (MLWR) SYSTEM IMPROVEMENT MODIFICATION (SIM) Models of Systems affected: AC-130HU, MC-130EH, HC-130MP, C-141B SOLL II

### DESCRIPTION/IUSTIFICATION:

The AN/AAR-44 MLWR will be permanently modified to reduce false alarma. The design effort will be to modify the Sensor Unit (SU) and Signal Processor Unit (SPU). The SPU will be changed by upgrading the convolling processor, increasing the message size and incorporating new software algorithms to improve threat tracking. In addition, electroalically emeasable permanent read-only memory will be added to allow for flightline reprogramming.

DEVELOPMENT STATUS/MAJOR MILESTONES: Letter contract swarded Nov 94. Contract definitized APR 95. Flight test of prototyps scheduled for Nov-Dec 95. Production decision scheduled for Ian 96. Freduction contract would be awarded Feb 96. Installation would begin Oct 96. (Aircraft Breakout: ANG 0, AFRES 0, Active 50).

FINANCIAL FLAN: (8 in millions)	LAG BANG	96 A.J	LSAM	86A.H	66 A.B	DAA	FYOI	TC	TOTAL
	Qty 8 Qty 8	Se Ass	S AS	Oth &	S AND	S AND	S AS	\$ A	Quy &
RDT&B	3.6	901							
PROCUREMENT									
Installation Kits									
Installation Kit Noarecurring									
Equipment		35 1.5	65 2.6		And the second s				1000
Equipment Nonrecurring									
Modification of Sparea		1.5	1.7						
Interim Contractor Support		1.0	0.3					AND THE PROPERTY OF THE PROPER	
Data									
Support Equipment		6.0							
Installation of Hardware									
PYs		distribution of the state of th				A TOTAL CANADA CONTRACTOR OF THE CONTRACTOR OF T			
FY95									State of the state
FY96									
FY97									
FY98									
FY99									
FY00			and the same of the same of the same of						
FY01									The state of the s
To Complete									
Total Installation Cost									A see a superior of the second se
9 Two per aircraft									
Total Procurement Cost		Q. 43.	8.6						
METHOD OF IMPLEMENTATION:	ORGANIC		ADMIN	<b>HISTRATIVE LEA</b>	ADMINISTRATIVE LEADTIME: 6 MONTHS	148	PRODUCTION	PRODUCTION LEADTIME: § MONTHS	THIS
CONTRACT DATE:	Current Year: 2/96		Budget Year 1: 2/97	2007		Budget Year 2:			
DELIVERY DATE:	Current Year: 4/96		Budget Year 1: 4/97	4/97		Budget Year 2:			
P-1 SHOPPING LIST, ITEM NO. 45/46									Page 1 of 1 EXHIBIT P-3A
			THE PARTY OF THE P						

DATE: MARCH 1996

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MODIFICATION TITLE: APQ-170 RADAR UPGRADES

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

This program funds a reliability upgrade for the APQ-170 radar. The specific R&M package is a compilation of fixes to field reported problems and lab testing fixes determined under the main MC-130H Combat by failure

Taken II production effort. Modifications are form, fit, and function replacements for current radar components. All 66 nadar equivalent stap sets will be transfer the product of the contractor. These by a spare sets. These funds will be used to procure the upgrade kits and perform the actual retrofit. The installation schedule will be driven by failure rates.	us are form, fit, is the cating at the c	and fun contract	ction repla	and 34	for currer spare sects	it radar c	components. All funds will be use	oo radar equivalent od to procure the upp	ship sets will be re grade kits and perfe	arottice by me co	atractor. Inces oo offt. The installatio	amp sets are con n schedule will f	aprised of 24 to driven by failur
DBVELOFMENT STATUS MAJOR DBVELOFMENT MILESTONES: Contract Award: May 96; (Airoraft Breakout: 0 ANG; 0 AFRES; 24 Active)	tkout: 0 ANG; (	DAFRE	38; 24 Acti	(ox									
FINANCIAL PLAN: (\$ in millions)	PYs		FY95	95	E	FY96	PY97	FY98	FY99	FY00	FY01	TC	TOTAL
	ê	49	È	40	æ	*	\$	\$ 40	\$ AD	s AD	s AD s AD	Ŷ	ě
RDT&B							•						
PROCUREMENT													
Installation Kita													

Installation Kit Nonrecurring  Equipment  Equipment Nonrecurring  Equipment Nonrecurring  Engineering Change Orders  Data	20 7.9 22 2 0.8 0.2	7.9 22 0.2	7.9	20 2	23.7
Equipment Equipment Nonrecurring Equipment Nonrecurring Engineering Change Orders Data	0.8	7.9	7.9	64	23.7
Equipment Nonrecurring Hagineering Change Orders Data		0.2	0.2	2	0 0
Hagineering Change Orders Data	0.2	0.2	0.2		9.5
Deta	0.2	0.2	0.2		
					9.0
			STATE OF THE PROPERTY OF THE P		
Installation of Hardware					
PYs					
PY95					
PY96					
FY97					
FY98					
FY99					
Total Installation Cost					

Current Year: 3/96 Current Year: 4/96 ORGANIC METHOD OF IMPLEMENTATION: Total Procurement Cost

CONTRACT DATE: DELIVERY DATE: P-1 SHOPPING LIST, ITEM NO. 45/46

PRODUCTION LEADTIME: 6 MONTHS ADMINISTRATIVE LEADTIME: 13 MONTHS Budget Year 1: 1/97

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25.1

Budget Year 2: 1/98 Budget Year 2: 2/99

Budget Year 1: 2/98

Page 1 of 1 EXHIBIT P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: ALQ-172 ELECTRONIC COUNTERNIESSURE JAMMER UPORADE

MODELS OF SYSTEMS AFFECTED: AC-130H (Low-band lammes), AC-130U, MC-130H (ECP-93 Upgrade)

DESCRIPTION/IUSTIFICATION:

Modifies the ALQ-172 with low-band farmer (LB) and engineering change proposal (BCP)-93 and then installs the enhanced ALQ-172 on eight AC-130H aircraft. Starting in FY 96, procures and installs BCP-93 on all ALQ-172 intellations (MC-130BH, AC-130BH, AC-130BH, AC-130BH) to provide increased memory and flightline reprogramming capability.

DEVELOPMENT STATUS/MAJOR DBVELOPMENT MILESTONES:

PDR: Mar 95; CDR; Aug 95; 1st whal hastell: 1st Qr FY96; 1st production install; 3rd Qr FY97, (Alrean Breakout: 0 ANG; 0 AFRES; 8 Active (LBI); 59 ALQ-172)

FINANCIAL FLAN: (\$ in millions)	Ad	OAA	EV95	200	BAA.		SAM	8	PW9	88	FY9	en en	FY00	2	FYOI		TC		TOT	TOTAL	
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RDT&B		3.6		2.8		E.2														7.3	
PROCUREMENT																					

Installation Kits (LBJ)		ŧσ	2.0	୧୯୩	1.9	1004	0.7										2	4.6
Installation Kit (ECP-93)			100000000000000000000000000000000000000					16	14.1	13	83.I	10	10.8	12	11.0		51	49.0
Installation Kits Nonrecurring (LBJ)	10.1				2.0		0.3										cect	12.4
Equipment (LBJ)			10.8		10.8		8.0											29.6
Interim Contractor Support					0.5		0.5		1.5									2.5
Installed Equip. Nonrecurring (I.BJ)	20.4																	20.4
Data	6.8		6.9															11.7
Mod of Spares (ALQ-172)					60) (6)		2.2											3.5
Support Equipment	13.2		1.4		2.6		and the same of th											17.2
Engineering Change Orders	0.5		0.7		0.1		5.4											6.7
Training Equipment					0.1													
Installation of Hardware												Total Control						
Commence of the Commence of th		The second second second	***************************************	D C	9		Section Sept. Company		CHARLES CONTRACTOR OF THE CONT	CONTRACTOR CONTRACTOR		The second second second second					Chemina Commission	S. Contraction of the last

FY95 : 3 A I.Q-172 (LB) Kits         2 0.8 1 0.4         3 1.2         3 3 3.2           FY96 : 3 A I.Q-172 (LB) Kits         1 0.4         1 0.4         1 0.4           FY97 : 1 A I.Q-172 (LB) Kits         FY98         1 0.4         1 0.4           FY99 : FY99         FY99         FY99         FY99           FY99 : FY	PYe - 1st Trial Install	G out	out
FY96 - 3 ALQ-172 (LBJ) Kite     3 1.2       FY97 - 1 ALQ-172 (LBJ) Kite     1 0.4       FY98       FY99       FY99 <t< td=""><td>FY95 - 3 ALQ-172 (LBJ) Kits</td><td>2 0.8 1 0.4</td><td>e e</td></t<>	FY95 - 3 ALQ-172 (LBJ) Kits	2 0.8 1 0.4	e e
FY97 - I ALQ-172 (LBJ) Kita     1 0.4       FY98       FY99       FY99 <td>FY96 - 3 ALQ-172 (LBJ) Kits</td> <td>3 1.2</td> <td>3 1</td>	FY96 - 3 ALQ-172 (LBJ) Kits	3 1.2	3 1
ion Cost	FY97 - 1 ALQ-172 (LBJ) Kits	1, 0,4	0 8
FY99  Total Installation Cost  1 0.8 4 1.6 1 0.4			
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FORT INSTRUMENT COST			=		43	9.0	7	200	4	2	
Note: * Installation costs included under PY NR	PY NRB.										
Total Procurement Cost	51.0	19.8		19.3		17.9		17.3		23. 28.	
METHOD OF IMPLEMENTATION:	DEPOT (LED); ORGANIC (ECP-9)	NIC (ECP-93)			•	DMINISTRATIVE LEADTIME:	ATTVE	LEADTIM	#	9 MONTHS	- 1

Current Year: 3/96 Current Year: 2/98

P-1 SHOPPING LIST, ITEM NO. 45/46

CONTRACT DATE: DELIVERY DATE: SIFIED

Budget Year 1: 2/97 Budget Year 1: 1/99 Page 1 of 3 EXHIBIT P-3A

PRODUCTION LHADTIME: GROUP A: 6 MONTHS.

11.0

10.8

GROUP B: 18 MONTHS

Budget Year 2: 2/98 Budget Year 2: 4/98



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# MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: ALQ-172 ELECTRONIC COUNTERMEASURE JAMMER UPGRADE INSTALLATION SCHEDULE:

QUARTERS					FY	FY 1995			ł	FY 1996	966				FY 1997	997
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PY									-							
FY 95																1
FY 96														•		
FY 97																
FY 98													<u> </u>			
FY 99													<u></u>			
FY 2000			 I					L					<u></u>			
FY 2001																
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QUARTERS					FY	FY 1995				FY 1996	966				FY 1997	6
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PY											1					
FY 95																
FY 96																
FY 97													<u>L</u>			
FY 98													<u> </u>			
FY 99													<u> </u>			
FY 2000																

P-1 SHOPPING LIST, ITEM NO. 45/46

FY 2001

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UNCLASSIFIED

# MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: ALQ-172 BLECTRONIC COUNTERMBASURE JAMMER UPGRADE INSTALLATION SCHEDULE:

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FY 1999	60									FY 1999	60								
FY	2									FY	2				Ç==4				
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FY 1998	6			-						FY 1998	ಣ			<del>, , , , , , , , , , , , , , , , , , , </del>					
FY	2									FY	2								
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QUARTERS		Ad	FY 95	96 AJ	FY 97	FY 98	FY 99	FY 2000	FY 2001	QUARTERS	COLFOR	Ad	FY 95	FY 96	FY 97	FW 98	PV 99	FY 2000	FY 2001

P-1 SHOPPING LIST, ITEM NO. 45/46



Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: AN/AAQ-17 INFRARED DETECTION SET UPORADE

MODELS OF SYSTEMS AFFECTED: AC 130U, AC 130H

DESCRIPTION/JUSTIFICATION:

Program modifies the opties on the AN/AAQ-17 Infrared Detection Set (IDS) currently installed on 21 AC-130H/U gunship aircraft. By taking advantage of new technologies, the magnification and resolution of the AAQ-17 Infrared substantially allowing the aircraft to identify friendlies/largets while operating outside the range of threat systems. FY96 and FY97 funds for procurement of 12 enhanced AC-130U dunship IDS modifications, associated data, and support equipment.

DBVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

CDR: Mar 96; FR Test: 1st Or FY97; 1st Prod install: 4th Our FY97; Trial install: 1st Our FY97; (Alternath Breakout: O ANG: O AFRES: 21 Active)

CDK: Mar 70; Fit 164: 181 Qu F17; 181 Floot mean; 4m Qu F17; Illa mean; 181 Qu F17; (Authur Broadout: O Arto), O AFADS, 21 ACUVO	1 at Live ment: 4m	Carry,	A TIME THE PARTY	3	F 1 7/1 (C)	ALCHAIL DICAL		INO, U AF	10 17 (m)	(a)							
FINANCIAL PLAN: (\$ in millions)	PYe	-	FY95	PY	98	FY97		FY98	-	FY99	i.	FY00	FY01	<b>F</b> -1	TC	TOTAL	AL
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RDT&B		0.1	2.5														6.5
PROCUREMENT																	
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Installation Kits		1.3	1.8	7 0.6	19 3.7
Installation Kit Nonrecurring	5.6				3.6
Equipment		4.7	6.2	4.2	13.3
Equipment Nonrecurring	2 2.8				2 2.8
Engineering Change Orders		1.0	0.7		<b>C1</b>
Date			1.7		1.7
Support Equipment		2.3			2.3
Mod of Spares			1.9	4.6	6.5
Interim Contractor Support				6.1	6.1
Installation of Hardware					

PY•			
FY95 2 AAQ-17 Systems	2	2	•
FY96 3 AAQ-17 Systems	3 ••	3	•
FY97 9 AAQ-17 Systems	9 E 90	6	•
FY98			
FY99 7 AAQ-17 Systems	90 L	7	÷
PY00			
FY01			
To Complete			
al Installation Cost	\$ 00 9 00 J	21	

Installation costs funded under PY95 NRB;
 Installation cost funded under PY95 NRB;
 Installation cost funded under PY95 NRB;

39.8 PRODUCTION LEADTIME: 15 MONTHS 4.6 Budget Year 2: ADMINISTRATIVE LEADTIME: 8 MONTHS 8.4 Budget Year 1: 3/97 Current Year: 3/96 CONTRACTOR METHOD OF IMPLEMENTATION: Total Procurement Cost CONTRACT DATE:

Budget Year 1: 4/98

Current Year: 4/97

P-1 SHOPPING LIST, ITEM NO. 45/46

DELIVERY DATE:

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Page 1 of 3 EXHIBIT P-3A

Budget Year 2:

MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

MODIFICATION TITLE: AN/AAQ-17 INFRARED DETECTION SET UPGRADE INSTALLATION SCHEDULE:

QUARTERS

FY 1995

PY 95

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FY 98

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PY 99

FY 2000

FY 2001

QUARTERS

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FY 95

FY 96

FY 98

FY 97

66 AJ

FY 2000 FY 2001 P-1 SHOPPING LIST, ITEM NO. 45/46

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## MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: AN/AAQ-17 INFRARED DETECTION SET UPGRADE INSTALLATION SCHEDULE:

TOT	PGM		2	3	6						TOT	PGM		2	3	6		7		
To	COMP			30000	-						То	COMP								
	4										1	4								
FY 2001	3										FY 2001	3								
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86	3										860	3								
FY 1998	2										FY 1998	2								
					-							1								
QUARTERS	TOWN	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001		QUARTERS	OUTPUT	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001

P-1 SHOPPING LIST, ITEM NO. 45/46

UNCLASSIFIED

Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: APQ-122(V) BAND RADAR UPDATE

MODELS OF SYSTEMS AFFECTED: MC-130B

DESCRIPTION/JUSTIFICATION:

The current APQ-122(V) - 8 K band terrain avoidance radar has a low reliability of approximately 24 hours mean time between failures (MTBF). The lack of spares and reliable assemblies has complicated the management of this operan. This upgrade will significantly increases the reliability and maintainability of the APQ 122 by increasing the MTBF to 40 hours. FY 96 will fund the last phase of this program. This phase will modify the X-Band Receiver Transmitter (R/T).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

(Aircraft Breskout: 0 ANG; 0 AFRES; 14 Active)

TOTAL 8 2 8 69 PYOI È PYCO 8 66 A.d 8 00 FY98 8 PYST 8 95 A.H 8 S6AM 8 PYG E FINANCIAL PLAN: (\$ to millions) RDT&B

PROCURBMENT

Installation Kita	13 2 4		
	Colonida		27
Installation Kit Nonrecuring	1 1.5		1.5
Equipment	8.8	16 4.0	14 12.5
Equipment Nonrecurring	6.5		6.5
Engineering Change Orders		0,4	0.4
Data	0.5	1.2	1.7
Training Equipment	1.6		1.6
Support Equipment	0.5		0.5
Interim Contractor Support		1.4	1.4
Modification of Spares		3.5	3.5
Installation of Hardware			
PYs			
FY95		ndelskele men in de stande skriven men de skriven men groupe per men skriven prokklige gelek kriven kommen mystek kommen en groupe kriven men groupe kommen en groupe kriven men groupe kriven m	
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FY98			
FY99			
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To Complete			on some determinant of the sound of the soun
Total Installation Cont			NETHOLISM FRANKSTORM STREET
Total Procurement Cost	22.6	9.5	(gar
METHOD OF IMPLEMENTATION:	ORGANIC	*	PRODUCTION LEADTIME: 36 MONTHS
CONTRACT DATE:	Current Year: 3/96	Budget Year 1: 2/97	Bulget Year 2.
DELIVERY DATE:	Current Year. 3/99		Budget Year 2:
P-1 SHOPPING LIST, ITHM NO. 45/46			Page 1 of 1

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Page 1 of 1 EXHIBIT P-3A

DATE: MARCH 1996

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MODIFICATION TITLE: CENTER WING REPLACEMENT

MODELS OF SYSTEMS AFFECTED: MC-130E/AC-130H/HC-130P/N

DESCRIPTION/JUSTIFICATION:

Replaces center wing on the MC-130B Combat Talon I, AC-130H Gunahips and HC-130P/N tanker aircraft. Cracks, which substantiate the requirement to replace the center wing, have been found in spar caps at butt line 61.

Cracks and crack growth in this critical structural area can be difficult to detect and the probability for their development is high given the low attitude flight profiles of the SOF fleet. This modification will extend the service life of

the aircraft past the year 2010. FY96, FY97 and FY98 funds for center wing installations.  DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:  Trial install and kit proof complete. (Aircraft Breakout: 0 ANG; 0 AFRES; 50 Active)	6, FY97 and FY98 fi ELOPMENT MILES (Aiveraft Breakout:	TONE	x center wing in S: 3; 0 AFRES; 50	stallations Active)															
FINANCIAL PLAN: (\$ in millions)	PYs		FY95		FY96	,,,,	FY97	F	FY98	FY99	2	FY00	8	FY01	_	TC		TOTAL	7
	8	44	\$	8	49	8	\$	È	40	*	•	S AN	••	È	**	È	49	Ê	**
RDT&B																			0.0
PROCURBMENT																			
Installation Kits	20	868																20	868

Installation Kit Nonrecurring	14.0
Equipment	
Equipment Nonrecurring	
Engineering Change Orders	
Data	1.3
Support Equipment	3.9
Other	
Installation of Hardware	
PYs - 50 Center Wings	16 42.9 11 3.4 11 9.2 7 7.5 5 6.5
FY95	
FY%	
FY97	
FY98	
FY99	

Budget Year 1:

Page 1 of 3 EXHIBIT P-3A

178.5

0.0

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Budget Year 2: Budget Year 2:

ADMINISTRATIVE LEADTIME: 24 MONTHS

6.9

7.5

9.5

3.4

151.9

42.9

16

To Complete
Total Installation Cost

FY00 FY01 DEPOT AND CONTRACTOR FACILITY

METHOD OF IMPLEMENTATION:

CONTRACT DATE: DELIVERY DATE:

Total Procurement Cost

Current Year: Current Year:

P-1 SHOPPING LIST, ITEM NO. 45/46

Budget Year 1:

6.5

7.5

9.3

PRODUCTION LEADTIME: 24 MONTHS

69.5

20

## MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: CENTER WING REPLACEMENT

INSTALLATION SCHEDULE: (NOTE: 16 aircraft were input prior to FY95)

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FY 95 FY 96 FY 97

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P-1 SHOPPING LIST, ITEM NO. 45/46

FY 2000 FY 2001

PY 99 FY 98

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# MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: CENTER WING REPLACEMENT INSTALLATION SCHEDULE:

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-200-10-	4										4	-							
80	3	3				_	_			86	3	3							
FY 1998	2	quest (				_				FY 1998	2	1							
-							_			"		_							
QUARTERS	INPUT	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001	QUARTERS	OUTPUT	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001

P-1 SHOPPING LIST, ITEM NO. 45/46

Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM

MODELS OF SYSTEMS AFFECTED: AC-130H, AC-130U, MC-130H, MC-130H

DESCRIPTION/JUSTIFFICATION:

Provides 59 SOF C-130 alruraft with a Directional Infrared Countermeasure (DIRCM) system capability. The DIRCM system will work in conjunction with other carbonard self protection systems to cancer with a john United Kingdam/United States cooperative sevelopment/production effort.

# DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

PINANCIAL	PINANCIAL PLAN: (\$ in millions)	o Ma	S6Ad	55	96 A.J	*	FVON		86 A.A		66A.A	FY00	9	FYOI		1	TOTAL TOTAL
		S A	Ow	60	8	60	A	80	Or ve	8	69	200	60	S AND		Qu)	On s On
RDT&B		22.0		22.6		<b>8</b> 9		3.7		6.1	2.	roud	2.1	2.			
PROCUREMENT	TNE																
Group A Kits	A Kits		<b>74</b>	6.5	63	2.4	7	2.0	21	6.8	22 7.6	90					59
Group /	Group A Kit Nonrecurring																
Group B Kits	B Kits			1.7		13.4		81.7	60	31.7	37.4	₹					
Group	Group B Kit Nourecurring																
Baginee	Enginecring Change Orders																
Date																	
Support	Support Equipment			2.3		3.0		1.2		6.4	7.9	6					
Other				0.2				0.3		0.2	0.2	2					
Equipm	Equipment (Other)									E .	23.9	6					
Interim	Interim Contractor Support			9.0		4.6				5.4							
Installat	Installation of Hardware																
- Part	PYs																
	PY95 - Install 1 DIRCM Kits						रूव	Ð									and the second s
	FY96 - Install 8 DIRCM Kits						8	0									
	FY97 - Install 7 DIRCM Kits						1	e									
	FY98 - Install 21 DIRCM Kits								21	9							
	FY99 - Install 22 DIRCM Kits										22	•					
	FY60																
	FYOI																
	To Complete															1 1	
Total li	Total Installation Cost						16	ø	21	0	22	0					
uI - o	. Installation cost funded under Group A option.	A option.															
	Total Procurement Cost			8.		23.4		15.2	œ3	51.3	R	77.0					
METHOD OF	METHOD OF IMPLEMENTATION:	CONTRACTOR FIELD TEAM	FIRED TI	N.			×	DMINIS	ADMINISTRATIVE LEADTIME:	BADTIM		6 MONTHS		PRODUCTION LEADTIME: 6 MONTHS	ILEADTIR		(RE: 6 MON
CONTRACT DATE:	DATE	Current Year: 2/97	1				Budget Year 1: 2/97	r 1: 229	Z			Budget	Budget Year 2:	1/98			
DELIVERY DATE:	DATE:	Current Year: 2/97	161			-	Budget Year 1: 1/98	r 1: 1/9	60)			Budget	Budget Year 2:	3/98			
P-1 SHOPPIN	P-1 SHOPPING LIST, ITEM NO. 45/46																

UNCLASSIFIED

Page 1 of 3 EXHIBIT P-3A

UNCLASSIFIED

# MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM INSTALLATION SCHEDULE:

QUARTERS

FY 2000

FY 99

FY 98

FY 96 FY 95

FY 97

FY 2001

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FY 1995	3		
FY	2		
	1		

	4				
966	6				
FY 1996	2				
	-				

	4		2	4		
266	3		3	3		
FY 1997	2	1	3			
	1					

QUARTERS		FY 19	19
OUTPUT	-	2	
<b>5</b> 4			
Y 95			
96 A			
16 A			
86 A			
66 A			
Y 2000			
¥ 2001			

FY 95 PY 96 FY 97 FY 98

	4				
FY 1996	3				
FY	2				
	-				

	4		3	٣		
1997	6	1	3	-		
	2					
	-					

P-1 SHOPPING LIST, ITEM NO. 45/46

FY 2000

FY 99

FY 2001

Page 2 of 3 Exhibit P-3A

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: DIRECTIONAL INFRARED COUNTERMEASURES SYSTEM INSTALLATION SCHEDULE:

TOT	PGM			80	-	21	22			E	5	PGM		<b>***</b>	80	_	27	22	diament of the state of the sta	
To	COMP									C E	)	COMP								
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	4											4	-minetra							_
FY 2001	m									1000	3	62				4.07.00				
FV	2									1		8	-							
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FY 2000	ሮን									0000	3	(L)			******					
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FY 1998	6					83				9000	2	60					83			
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	<del>2</del> 4					9						Ç=1			2	m				
QUARTERS	Loavi	M	FY 95	FY 96	FY 97	FV 98	PY 99	FY 2000	FY 2001	OTIAPTEDS	OITHE	4 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Ad	FY 95	FY 96	FY 97	FY 98	PY 99	FY 2000	FY 2001

P-1 SHOPPING LIST, ITEM NO. 45/46



Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MC-130H COMMUNICATIONS/NAVIGATION UPGRADE

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

This modification funds the integration of the following Air Force communications initiatives into the MC-130H: Single Channel Ground and Air Radio System (SINCGARS); Narrow Band Satellife Communications (SATCOM); Automatic Communications Processor (ACP); and Advanced Cryptographies (KY-100, TACTBRA). This modification also incorporates a 3 1/2 inch computer disk drive system replacing the Data Transfer Module. The Group B hardware will be provided as government furnished equipment to the program from these initiatives. FY96 dollars will fund the nonrecurring engineering (NRB) for the integration of the Group B software integration and upfront procurement of two shipsets for the trial install and kit proof.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Preliminary Design Review (PDR): 2Q FY97; Critical Design Review (CDR); 3Q FY97; Trial install: 3rd Qrr FY98; Flight Test: 1Q FY99; Kir Proof; 1Q FY99; 1st Production Install: 3Q FY99. (Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)

FY95 PYs FINANCIAL PLAN: (\$ in millions)

TOTAL FY01 FY00 È FY99 È FY98 B FY97 Ê Ê È È

RDT&B

PROCUREMENT

Installation Kita	12 2.3 10 3.0	22 5.3
Installation Kit Nonrecurring	2 6.9	2 6.9
Bquipment	9.0 8.0	1.4
Equipment Nonrecurring	0,4 1,0	1.4
Engineering Change Orders	0.6	0.7
Data	0.5	0.5
Support Equipment	0.1	0.1
Software Coding/Tests	2.3	2.3
Trainer Integration	3.2	3.2
Installation of Hardware		

FI										ı
FY95										
PY96 - 1st Trial Install & Kit Proof	it Proof	2	•						2	
FY97 - 3 Comm/Nav Kits				3					6	*
PY98 - 10 Comm/Nav Kits					13	:	9		19	١
FY99										
FY00										
FY01										
To Complete										
Total Installation Cost  • Installation of Trial Install	Installation Cost  • Installation of Trial Install and Kit Proof Funded Under NRE; •• Installations Contracted for with Kits.	6	•	e en	13	:	•	:	z	
Total Procurement Cost	10.1 4.8		6.9							21.8

CONTRACTOR FIELD TEAM Current Year: 3/96 Current Year: 3/98 METHOD OF IMPLEMENTATION:

P-1 SHOPPING LIST, ITEM NO. 45/46

CONTRACT DATE: DELIVERY DATE:

Budget Year 1: 1/97 Budget Year 1: 3/99

ADMINISTRATIVE LEADTIME: 9 MONTHS

Budget Year 2: 1/98

Budget Year 2: 1/00

PRODUCTION LEADTIME: 21 MONTHS

Page 1 of 3 EXHIBIT P-3A

# UNCLASSIFIED MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MC-130H COMMUNICATIONS/NAVIGATION UPGRADE INSTALLATION SCHEDULE:

FY 1997

FY F	FY 1995	1 2 3 4 1 2 3 4	1 2 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
FY 2	FY 1995	FY 1995 2 3 4	FY 1995  2 3 4 1	3 4 1995

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966	60	4 1 4 1 4 1 1 1				
FY 1996	2					
	<b>C</b>					

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Page 2 of 3 Exhibit P-3A

P-1 SHOPPING LIST, ITEM NO. 45/46

FY 2000 FY 2001

FY 98

FY 96 FY 96 FY 97

Ad



MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

MODIFICATION TITLE: MC-130H COMMUNICATIONS/NAVIGATION UPGRADE

INSTALLATION SCHEDULE:

TOT	PGM			2	12	10					TOT	PGM			2	12	10			
TO	COMP										To	COMP								
П	4		7									4	П							
	-	-									_	8	$\dashv$	-						
FY 2001	60	$\dashv$					_				FY 2001	2					3			
. 124	2	-	$\dashv$			3		_			-		-				3			
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	4					3						4					6			
FY 2000	9				3	-					FY 2000	3		_		3	-			
FY	2				3						FY	2				3				
	1				3							-				3				
												*****								
	4				2							4				2				
666	3				1						666	3				-				
FY 1999	2										FY 1999	2								
	-											-								
-																				
	4			-								4			1					
	3			1							86	3			1					
FY 1998	2										FY 1998	2								
1				_												_				
QUARTERS	INPUT	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001		QUARTERS	OUTPUT	PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001

P-1 SHOPPING LIST, ITEM NO. 45/46

Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: UNDERBILLY PROTECTION SYSTEM

MODELS OF SYSTEMS AFFECTED: MC-130H

DESCRIPTION/JUSTIFICATION:

Program modifies 16 MC-130H sirenst with a retractable shield, mounted on the lower fluelage, to protect the airenst's electronic countermeasures and communication seasors/antennas during unimproved landing zone operations.

This modification is required to improve mishap survivability and reduce life-cycle cost by minimizing damage to the airenst.

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BNT MILE
RLOPME
OR DEV
<b>TUS/MAJ</b>
NT STA
RLOPME
DEVI

Contract Award: Inn 97; (Aircraft Breafcout: 0 ANG; 0 AFRES; 24 Active)	out: 0 ANG; 0 AFRES;	; 24 Active)									
FINANCIAL PLAN: (\$ in millions)	BAG	FY98	FY'96	L6Ad	B6A4	66AJ	FY00	FYOI	JC.	TOTAL	
	S AND	Qry 8	Qiy 8	Qu)	S Ad	Qu's	Qua s	Qua s	Ory 8	8	ଚ୍ଚ
RDT&B											
PROCUREMENT											
Installation Kits				24 1.3						24	1.3
Installation Kit Nonrecurring										de la companya de la	
Equipment				1.0		CALLED AND A CONTRACTOR OF THE PARTY OF THE					0.1
Equipment Nonrecurring				0.3							0.5
Engineering Change Orders											
							مسيب مقاومة ويوسونها والمتراسة والمتراسة المساولة			de electrodista e in	
Installation of Hardware											
PYs						a for the state of					
FY95											
FY96											
FY97 - Install 16 Kits				s 91	69	ф		STATE OF THE PERSON NAMED IN COLUMN NAMED IN C		ZZ.	
FY98								9900			-
FY99									***************************************	The state of the s	
FY00											
FY01						the state of the s				***************************************	
To Complete			A	The state of the s			A PART OF THE PART			State of the Publisher	
Fotal Installation Cost				98	829 8	G				2	
<ul> <li>Installation costs included in basic contract.</li> </ul>	sic contract.										
Total Procurement Cost				B.6							∞. Ø.
METHOD OF IMPLEMENTATION:	CONTRACTOR FIRED TRAMS	FIRED TRAMS		ADMIL	NISTRATIVE LEA	ADMINISTRATIVE LEADTIME: 2 MONTHS	NTHS	PRODUCTION LEADTIME:		2 MONTHS	
CONTRACT DATE:	Current Year:			Budget Year 1: 2/97	2197		Budget Year 2:	••			
DELIVERY DATE:	Current Year:			Budget Year 1: 3/97	3/92		Budget Year 2:				
P-1 SHOPPING LIST, ITEM NO. 45/46										Page 1 of 3 RXHIBIT P-3A	1 of 3

UNCLASSIFIED

# MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: UNDERBELLY PROTECTION SYSTEM

INSTALLATION SCHEDULE:

Loan		¥.	FY 1995					V 199
	quad	2	<b>س</b>	4		7	-	en l
FY 95							-	
FY 96								
FY 97								
FY 98								
FY 99								
FY 2000								
FY 2001								
QUARTERS		FY	FY 1995			F	FY 1996	9
OUTPUT	1	2	3	4	-	2		3
FY 95								
FY 96							_	
FY 97								
FY 98								
FY 99								
FY 2000								
000								

9

FY 1997

P-1 SHOPPING LIST, ITEM NO. 45/46

FY 2001

Page 2 of 3 Exhibit P-3A

5

FY 1997

MODIFICATION OF WEAPON SYSTEMS

TOT

24

MODIFICATION TITLE: UNDERBELLY PROTECTION SYSTEM INSTALLATION SCHEDULE:

QUARTERS	<b></b>	FY 1998	3	4	-	FY 2	FY 1999 2 3	4		ES	FY 2000		4			gard
Ad													8			
. S6 1.4													1			
PY 96				·												
FY 97	4	4											T			
FY 98											-		T			
PY 99													1			
FY 2000													1			
FY 2001																
QUARTERS		FY	FY 1998			FY	FY 1999			H	FY 2000				FY	FY 2001
OUTPUT	<b>-</b>	8	3	4	-	~	6	8		2	643	শ্ব		-	1 2	1 2 3
PV																
FY 95													ĭ			
FY 96	an August 1												1			
FY 97	9	*	4										- I			
FV 98																·
66 AA																
FY 2000									j							
FY 2001									<b>Marketines</b>	and the same of th		******				

TOT

24

P-1 SHOPPING LIST, ITEM NO. 45/46



Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION
MODIFICATION TITLE: MC-130H APU UPGRADE
MODELS OF SYSTEMS AFFECTED: MC-130H
DESCRIPTION/JUSTFICATION:

Program upgrades the existing auxiliary power unit 85-180L on 17 MC-130H aircraft to provide for the following: improves nozzle and burner to use alternative fuels at attitude; increases blood from 2500 hours to 9000 hours. This upgrade will be form, fit, and function to the existing system. Also includes data for depot and aircraft, trainer updates, and two spare upgraded APUs.

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AP FM 1067 and MNS approved Mar 94. Supports MAC 005-83 IVA Talon II SORD. (Aircraft Breakout: 0 ANG; 0 AFRES; 24 Active)

FINANCIAL PLAN: (\$ in millions)	PYs	PY95	FY96	FY97	FY98	FY99	FY00	FY01	IC	2	TOTAL
	s A	\$	s Ab	S AN	\$	*	\$ 40	s AD	s so	È	69
RDT&B											0.0
PROCURBMENT											
Installation Kits											
Installation Kit Nonrecurring											
Equipment			1 0.3	23	1.9					24	2.5
Equipment Nonrecurring			0.3		0.1						0.4
Engineering Change Orders											
Data				0	0.1						0.1
Mod of Spares					0.2						0.2
Installation of Hardware											
PVs											
FY95											
PY96											
FY97 - Install 17 APU Kits											
FY98											
FY99											
FY00											
FY01											
To Complete											
Total Installation Cost											

P-1 SHOPPING LIST, ITEM NO. 45/46

UNCLASSIFIED

Page 1 of 1 EXHIBIT P-3A

2.9

PRODUCTION LEADTIME: 6 MONTHS

Budget Year 2: Budget Year 2:

ADMINISTRATIVE LEADTIME: 10 MONTHS

Budget Year 1: 2/97

Current Year: 4/96 Current Year: 2/97

ORGANIC

Total Procurement Cost METHOD OF IMPLEMENTATION:

CONTRACT DATE: DELIVERY DATE:

9.0

Budget Year 1: 4/97

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: LOW LIGHT LEVEL TV REPLACEMENT

Models of systems appected: AC-130H

DESCRIPTION/JUSTIFICATION:

This modification will improve the reliability, maintainability, and performance of the LLITV system by modifying and/or redesigning three of its major subsystems are the AN/ARQ-17 camera, AN/ARQ-17 Lazer libraries are the PVS supports an urgest requirement for additional pedestals.

DEVELOPMENT STATUSMAIOR DEVELOPMENT MILESTONES: (Aireraft Breakout: ANG 0, AFRES 0, Active 8)

FINANCIAL FLAN: (\$ in millions)	PVe PY95	LAND	FY98	FV 99	FY00	TC	TOTAL	
	S AND S AND S AND	AND 8 AND	8	8 000	8 Ory 8	S AND	AGA GA	ବ୍ର
RDT&B			25.					4.4
PROCUREMENT								
Installation Kits			2 2.2	6.9			820	8.7
Installation Kit Nonrecurring								
Equipment								
Equipment Nonrecurring	6.3	8.0		The second secon				9.3
Modification of Spares	<i>L</i> .0		1.7	1.3				3.7
Engineering Change Orders			0.1	0.5				9.0
Data	0.1	8.8	9.0	0.7				3.2
Interim Contractor Support	0.4			1.2				1.6
Installation of Hardware								Chinoda
PYs				and the second s				
PY95		76. 10 10 10 10 10 10 10 10 10 10 10 10 10						
FY96								
FY97								
FY98 - Procure 2 Kits				2 0.3			2	0.3
PY99 - Procure 6 Kits				9	9.0		9	9.0
FY00								
PY01							Principal de la companya de la comp	
To Complete		e and experience of a contract of the contract of the polymery of the polymery of the contract						
Total Installation Cost				2 O.3	<b>8.0</b>		32 <b>9</b>	ब्रह्म इस्त
Total Procurement Cost	2.5	<b>&amp;</b>	4.6		9.0			28.2
METHOD OF IMPLEMENTATION:	ORDANIC (ILLUMINATOR): DBPOT (CAMBRA)	ADMINISTR	ADMINISTRATIVE LEADTIME:	6 MONT		PRODUCTION LEADTIME: 15 MONTHS	MONTHS	
CONTRACT DATE:	Current Year: NIA	Budget Year 1: 2/97		Budg	Budget Year 2: 2/98 Budget Year 2: 2/99			
P-1 SHOPPING LIST, ITBM NO. 45/46	1778 - 17						Page 1 of 3 EXHIBIT P-3A	1 of 3

# MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: LOW LIGHT LEVEL TV REPLACEMENT INSTALLATION SCHEDULE:

FY 1995       1     2     3     4       1     2     3     4       1     2     3     4       1     2     3     4       1     2     3     4       1     2     3     4       1     2     3     4	FY 1995  FY 1996  FY	FY 1995  FY 1996  FY	FY 1995  FY 1995  FY 1995  FY 1995  FY 1996  FY
FY 1995  FY 1996  FY	FY 1995  FY 1996  FY	FY 1995  FY 1995  FY 1995  FY 1995  FY 1996  FY	FY 1995 FY 199
FY 1996  1 2 3	FY 1996  1 2 3	FY 1996  4 1 2 3 4      FY 1996  4 1 2 3 4	4     1     2     3     4       1     2     3     4       4     1     2     3     4       4     1     2     3     4
FY 1996  1 2 3	FY 1996  1 2 3	FY 1996  1 2 3 4	FY 1996  1 2 3 4  1 1 2 3 4  1 1 2 3 4  1 1 2 3 4  1 1 2 3 4  1 1 2 3 4  1 1 2 3 4
4 4			

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P-1 SHOPPING LIST, ITEM NO. 45/46

FY 2000 FY 2001

UNCLASSIFIED

# MODIFICATION OF WEAPON SYSTEMS

TOT

MODIFICATION TITLE: LOW LIGHT LEVEL TV REPLACEMENT INSTALLATION SCHEDULE:

QUARTERS		E	FY 1998			FY	FY 1999				FY	FY 2000				FY 2001	2001			10
	<b>⇔</b> •4	2	የዓ	*	<b>,</b>	8	જ	4		Ç	2	æ	4		Ç=1	2	m	4	***************************************	COMP
M									1					A common						
FY 95									P										<u> </u>	
FY 96														~~~					1	
FY 97									( <del></del>					of an experience and						
FY 98						8													1	
PY 99										2	8	2							<u>.                                    </u>	
FY 2000									Y											A Communication of the Communi
FY 2001		Ш																	<u> </u>	
QUARTERS		E	FY 1998			FY	FY 1999				FУ	FY 2000				FY	FY 2001			10
COLFOI	çaca)	2	3	4	 qued:	2	en .	광		<b>4</b>	2	8	4		900)	2	m	4	gi dhe medid	COMP
PY																			L	
FY 95																				
PY 96																				
FY 97																				
FY 98							2													
PY 99	one university									2	2	8							A Committee of the Comm	
FY 2000																				
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Page 3 of 3 Exhibit P-3A

P-1 SHOPPING LIST, ITBM NO. 45/46

FY 2001

		laans No			MA	<b>MARCH 1996</b>	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	IVITY /2	P-1 ITE AIRCR.	P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT	RE			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	29.636	8.067	13.639	.475	.472	.469	.465

MISSION AND DESCRIPTION: This program provides for various types of equipment required to support Special Operations Forces (SOF) aircraft. A more detailed description and justification of the requirements are as follows:

# 1. ACQUISITION PROGRAMS

Designator (FAD) 1 SOF aircraft. This replacement increases the reliability of these weapon systems; reduces maintenance and support A. Ring Laser Gyros (RLG). This program replaces outdated Inertial Navigation Units with new RLG technology on Force Activity requirements; and enhances navigation and delivery capabilities.

# FY 1997 PROGRAM JUSTIFICATION: Procures 28 RLGs for MC-130E aircraft.

devices, part task trainers, computer-based training equipment, logistics support packages, courseware, and contractor provided instruction B. Aircrew Training System (ATS). SOF ATS supports initial aircraft and mission qualification, continuation training, upgrade training, for all crew members. SOF ATS provides a mix of academics, simulator training, and flight training to produce combat qualified crew and combat mission rehearsal. It is contractor operated and maintained. It is composed of weapon system trainers, mission rehearsal

P-1 SHOPPING LIST, ITEM NO. 50

Page 1 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET  MARCH 1996	TIFICATION SHEET	DAIB MARCH 1996
APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMBNCLATURE	
PROCUREMENT. DEFENSEWIDE / 2	AIRCRAFT SUPPORT	

# 1. ACQUISITION PROGRAMS (Cont'd)

C. Interim Contractor Support (ICS). Funds maintenance and support of new end items until the item can be supported organically. These funds are also used to control capital investments in logistic support while requirements are being refined; technical problems resolved; and design stabilized.

PY 1997 PROGRAM JUSTIFICATION: Funds ICS for the AC-130H ASD-5 replacement, Ballistic Computer, MC-130E systems, Night Vision Imaging System, Fire Control/Display System, and Air Data Management System.

D. Aircraft Initial Spares. Effective FY 1996, these monies are requested under the new Spares and Repair Parts P-1 line.

## SUSTAINMENT PROGRAMS

applicable PAA service bulletins, airworthiness directives, safety supplemental inspection directives, and time compliance technical orders. A. United States Special Operations Command and Control (C2) EC-137 Aircraft. This is the SOF C2 aircraft modified with suitable contingency operations and capable of rapid, world-wide deployment. The aircraft transports personnel required for C2 operations and secure communications necessary for United States Special Operations Command to perform its mission. This aircraft is responsive to allows them to interface with other theater staffs. The EC-137 is a modified commercial Boeing 707 and must be kept current with

FY 1997 PROGRAM JUSTIFICATION: Funds engine hush-kit modification and an International Maritime Satellite Radio installation on the BC-137. The hush-kit modification will allow the BC-137 to meet stage III noise requirements effective 1999.

P-1 SHOPPING LIST, ITEM NO. 50

Page 2 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet



						The second second second		***************************************				
WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.5) - Aviation	A. Appr Procured	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	, Title/No. Just./2	B. Line Item Nomenclature AIRCRAFT SUPPORT	Nomenclatu SUPPORT	2				C. DATE:	TE: MARCH 1996	,
	Ident.				FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code			Unit Cost	QILA	Total Cost	Unit Cost	QIY	Total Cost	Unit Cost	QIA	Total Cost
1. ACQUISITION PROGRAMS												
A. RING LASER GYRO	٧			77.281	8	4,946				89.429	28	2,504
B. AIRCREW TRNG. SYSTEM (See P43)	4					3,877			2,045			
C. INTERIM CONTRACTOR SUPPORT	N/A					17,856			4,738			3,431
D. AIRCRAFT INITIAL SPARES	4					1,534						
Subtotal						28,213			6,783			5,935
2. SUSTAINMENT PROGRAMS												
A. SOF C2 AIRCRAFT	N/A					1,423			1,284			7,704
Subtotal						1,423			1,284			1,704
			-									
LINB ITEM TOTAL						29,636			8,067			13,639

UNCLASSIFIED

P-1 SHOPPING LIST, ITEM NO. 50

Page 1 of 1 Page EXHIBIT P-5, Weapon System Cost Analysis

	BUDGET PROCUREMENT HIS	HISTORY AND PLANNING	PLANNING				A.	A. DATE:	March 1996	96
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 M	P-1 ITEM NOMENCL AIRCRAFT SUPPORT	C. P-1 ITEM NOMENCLATURE AIRCRAFT SUPPORT				
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. ACQUISTION PROGRAMS A. RING LASER GYRO										
86 Au	Honeywell/Litton	SS/FFF	OC-ALC	36 NO	AUG 95	**	77.281			
	Honeywell/Litton	SS/FFP	OC-ALC	DBC 96	70 N 97	28	89.429	YES	2	
										and the second s

D. REMARKS: Ring Laser Gyro - Unit cost reflects the average cost of the Litton and Mossywell vernions.



Page 1 of 1 Pages EXHIBIT P-5A Procurement History and Planning

P-1 SHOPPING LIST, ITEM NO. 50

	SIMUL	SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)	INING DEVICE	JUSTIFICATION	(\$000)		D/	DATE: MARCH 1996	9
Appropriation/P-1 Line Item Procurement, Defensewide/Ai	Appropriation/P-1 Line Item Procurement, Defensewide/Aircraft Support	Support		Weapon System Special Operations Forces	8 Forces		Equipment Nomenclature Aircrew Training System (ATS)	enclature System (ATS)	
Fin Plan	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	Total
Quantity	2	0	0	0	0	0	0		
Procurement	57,872	3,877	2,045						63,794
RDT&E	144,805	40,624	18,034	4,339	243	238			208,283
04.8	13,858	8,100							21,958

TRAINING SYSTEM DESCRIPTION:

This project will develop an integrated, state-of-the art Special Operations Forces (SOF) aircraft, ground-based Aircrew Training System (ATS) to support training, and the extensive crew member training workload for initial, continuation, mission, special mission and upgrade training for 14 crew positions in integrated mission rehearsal capability. The solution to this multifaceted problem is a contractor operated and maintained SOF ATS composed of Weapon System Trainers, Mission Rehearsal Device, part task trainers, maintenance trainers, academics, simulator training, and aircraft flight training to produce aircrews. Existing training rehearsal restrictions caused by airspace/weather, critical mission safety, and security considerations require the capability to combat qualified crew members. This system will also provide combat mission rehearsal capability allowing SOF aircrews to rehearse highly classified, the seven AFSOF aircraft have all contributed to the need for this comprehensive training capability. Decreasing crew member experience levels in all initial aircraft, mission, and special qualification, continuation training, upgrade training, and combat mission rehearsal requirements for the MC-130E Force Special Operations Forces (AFSOF) aircraft and the absence of multi-aircraft, integrated, real-time combat mission rehearsal capability for SOF and MC-130H. The ATS requirement was driven by the lack of formal schools for the majority of SOF crew members represented in the seven Air rehearse extremely sensitive missions of the highest national priority in other than actual aircraft. Increasing operational taskings, joint maneuver crew positions also exacerbates the need for this capability. SOF ATS is the cost effective approach for providing training and fixed site aircrew real-world missions of the highest national priority within 48 hours of tasking by the National Command Authority.

NOTE: The MC-130E rehearsal device terminates in FY 96 to reflect user priorities.

Code distribution and an analysis of the following statement of the statem	SIMULAT	SIMULATOR AND TRAINING D	AINING DEV	EVICE JUSTIFICATION (Page 2) (\$000)	STIRCATION (P.	ge 2) (\$000)	No. of the latest and			DATE	MARCH 1996	996
Appropriation/P-1 Line Item Procurement, Defensewide/Aircraft Support	aft Support		Weapon System Special Operations	cm ations Forces		IOC Date August 1997		Equipment Nomenclature Aircrew Training System (ATS)	Tomenclatu ning System	€		
					Pri	Prior Years	Н	FY 1995	FY	FY 1996	М	FY 1997
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	ALIA	Cost	QTY	Cost	QTV	Cost	AIA	Cost
MC-130E WST **	Kirtland	FEB 97	AUG 97	300	Ç=4	23,042						
MC-130E MRD ***					<b>\$2</b>	13,336						
		And the second of the second o			A CONTRACTOR OF THE PARTY OF TH							
Мора со да поста при												
REMARKS:												

\*\*\* WST - Weapon System Trainer \*\*\* MRD - Mission Rehearsal Device to be terminated in FY96.

P-1 Shopping List Item No. 50

EXHIBIT - P-43, Page 2 of 3 P-43 Simulator & Training Device Justification



					OI CONTRACTOR							
SIMI	)LATOR	SIMULATOR AND TRAINING DEVICE	G DEVIC	E JUSTIFICATION	TION (Pag	(Page 3) (\$000)				DATE: MARCH 1996	ARCH 1996	
Training Device by Type Aircrew Training System (ATS)						Weapon System Special Operations Forces	em itions Force	8				
Description/Justification: A contractor-managed, simulator-type aircrew training system which produces a qualified aircrew member. Funds procurement and deploym of a trainer, and imagery support system, providing real-world mission rehearsal capability for MC-130 aircraft. The imagery support system consists of both Mission Rehearsal Imagery Support System (MRISS) and a Data Base Generation System (DBGS). * Spares are procured for three devices: MC-130H Weapon System Trainer, MC-130H Mission Rehearsal Device, and the MC-130E Weapon System Trainer.	imulator support Rehears:	type aircrew system, provided Imagery S	training viding re upport S	system wh al-world mi system (MR) n Trainer, MC	ich produ ssion rehe ISS) and	ces a qualif earsal capab a Data Basi	fied aircr oility for ie Genera Device, an	ew member MC-130 ain tion Syster d the MC-130	Funds rcraft. The (DBGS)	system which produces a qualified aircrew member. Funds procurement and deployment ul-world mission rehearsal capability for MC-130 aircraft. The imagery support system ystem (MRISS) and a Data Base Generation System (DBGS).  Trainer, MC-130H Mission Rehearsal Device, and the MC-130E Weapon System Trainer.	and depluport sy	oyment stem
Financial Plan	Æ	Prior Years	F	FY 1995	PY	FY 1996	E	FY 1997	Cost to	Cost to Complete		Total Cost
	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost	QTY	Cost
HARDWARE COSTS												
Device (Hardware)	2	36,378									2	36,378
ECOs												
Nonrecurring												
GFE												
Other (MRISS, TMS, DBGS)		13,976										13,976
Total Hardware Costs	2	50,354									2	50,354
SUPPORT COSTS												
Special SE (SOFPREP)		1,086										1,086
Integrated Log Support		4,025										4,025
Other (Spares/Data/Misc.)		1,737		3,877*		2,045*						7,659
Total Support Costs		6,848		3,877		2,045						12,770
Software/Courseware		670										0.09
TOTAL COSTS	2	57,872		3,877		2,045					2	63,794
										ţ	-	

P-1 Shopping List Item No. 50

EXHIBIT P-43, Page 3 of 3 P-43 Simulator & Training Device Justification

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ITEM / MANUFACTURER/			ACCEP	NA NA		MUCAN-I BUPFUHI		5				П			FIS	FISCAL	VEAR BE	88	1	182		Ш		8	5	FISCAL VEAR DB	9	80	8		+			SOF	N A		80		1	7
PROCUREMENT YEAR	maz>	PROC	PROC PRICH OTY TO 1 OCT	100 100 100 100								-	00-	VON VOMO	74Z	r m m	MARA PAR VANCU	Zex	752	700 V O O	മനമ	<u>₹0&gt;</u>	000	and the same of	T M B	A E M A M	<b>2</b> <>	3-3-Z		o C⊃O	00F	20>	Omo	De S	N ≥ ≪ E	e or a	24>		Sco	CALENDAN YEAR BY E A F M A M J J A C A E A P A U U U C N B R R P A U U U
1. RINGLASER GYROS		8	61	8				and the second											⋖	ф		-	64					80	80	-	A 00	9	9	80	89			1		
FYB7	A.	88	\$	38	Hangle			nt							a COP A P A VIII A PAGA PAGA PAGA PAGA PAGA PAGA PAGA		- OLEKSTERE		-	T-PARTIES		enter continue							OTTO- 1-1		Name to the last		⋖							
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					20> 00⊱	0W0	742	rr m w ≥≪c	«a.u	732. 732 484 888	pa_	@W¤	ءيون	20>	DWC DWC	ការា	248	40.0	722	<b>∢⊅</b> 6	zo w a	00+	ZO2	285	កកាត	240	<b>≥</b> ≪>	722	72	<b>∢</b> ⊐€	omo omo	203	OWE	742	T III S	<b>40.8</b>	<b>∑</b> ≪>	228	73.	<b>4</b> 36
MANUFACTURER'S NAME AND LOCATION	PHOD MIN SUST	UCTION 1-8-1	MIN MAX	3GHO D+C				2		OCUREMENT LEAD ADMIN LEAD TIME	ENT.	A EA				5		A A	MARKS: A - CONTRACT AWARD	È	5	WA	A _			\$								al .	-	22		3	H	4
				$\coprod$	Z	INTIA				8	Z-	벌		TIME		1001 1001	e.																							
					REO	RDER 6	20.8	Mesos	L		L		Ļ		ŀ		T																							

NCIA SUFIED

BUDGET ITEM	BUDGET ITEM JUSTIFICATION S	SHEET		DATE	MARC	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM N MK 8 MOD	P-I ITEM NOMENCLATURE MK 8 MOD I - SEAL DELIVERY VEHICLE (SDV)	N VEHICLE (SD	8		WALL TO THE PARTY OF THE PARTY
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	2	4	4	3	1	•	
COST (In Millions \$)	11.792	11.028	9,255	900.9	2.538		

MISSION AND DESCRIPTION: The mission of the MK 8 Mod 1 SEAL Delivery Vehicle (SDV) is clandestine infiltration / exfiltration of SEAL combat swimmers into hostile/denied shore areas and harbor / port facilities for the conduct of special operations. The MK 8 Mod 1 SDV program is a Service Life Extension Program (SLEP) of the in-service MK 8 Mod 0 SDV to extend the life of this mobility platform by 15 years. The SLEP effort focuses on correcting identified and projected sustainability and maintainability problems within selected

FY 1997 PROGRAM JUSTIFICATION: Funds will be used to procure / install engineering improvements for four SDVs including Global Positioning System, Obstacle Avoidance Sonar, secure communications, mission data recorders, direct current propulsion motor, and pilot / navigator displays.

Procurement, Defense/ble/Prot. Just 12   Ident.   Code   A	WEAPON SYSTEM COST ANALYSIS	A. Appr	A. Appropriation/Budget. Activity Title/No.	B. I free Rem Nomenclatura	omenclan	ITE			The state of the s	C DATE.		
Modestian   Code   Co	(P-S) - Shipbuilding	Procuren	neat, Defensewide/Proc. Just. 12	MK 8 MOD 1	- SEAL D	BELIVERY VE	HCLE (SDV)			MAI	MARCH 1996	
Code		Ident			FY 1995			FY 1996			FY 1997	
## A ## 159.500 2 2    A A A   159.500 2 2   B A   159.000 2 2   B	Weapon System Cost Memenia	Code		Unik Cost	OTT	Total Coat	Unit Cost	ALL	Total Cost	Unit Cost	TID	Total Cost
A   159.500   2     A   A   139.000   2     A   A   A   A   A     A   A   A   A	(OD 1 SDV SYSTEMS											
A   849,000 2   2   2   2   2   2   2   2   2		*		159.500	2	319						
A   207,500   2	R - Obsacle Avoidance	«		839.000	2	1,678	461.750	4	1,847	454.500	*	1,818
Sector Communications + HF/UHF Radio   A   199,000   2	NR - Docking	4		207.500	2	415	\$2,250	4	209	\$1.500	4	202
Mission Date Recorder	e Communications - HF/UHF Redio	A		198.000	2	396	87.750	Ø	231	\$6.750	8	227
Propulsion Motor         A         431.500         2           Display - Units         A         566.000         2           Dopplar Navigation SONAR (DNS)         A         265.000         2           Auditiny Navigation System (ANS)         A         A         265.000         2           Auditiny Navigation System (ANS)         A         A         A         A         B         A         B <t< td=""><td>m Data Recorder</td><td>8</td><td></td><td>249.500</td><td>2</td><td>466</td><td>58.750</td><td>\$</td><td>235</td><td>\$8,000</td><td>₹</td><td>232</td></t<>	m Data Recorder	8		249.500	2	466	58.750	\$	235	\$8,000	₹	232
Display - Units         A         866,000         2           Dopplar Navigation SONAR (DNS)         A         A         205,000         2           Auxiliary Navigation System (ANS)         A         A         B         B           France/Hull Moch         N/A         B         B         B           Isstall of Modifications         N/A         B         B         B           Documentation         N/A         B         B         B           Production Engineering         N/A         B         B         B           Production Engineering         N/A         B         B         B           Production Support         N/A         B         B         B           Production Support         N/A         B         B         B           Integrated Legistics Support         N/A         B         B <t< td=""><td>ision Motor</td><td>*</td><td></td><td>431.500</td><td>2</td><td>898</td><td>85.250</td><td>4</td><td>341</td><td>83.500</td><td>A</td><td>334</td></t<>	ision Motor	*		431.500	2	898	85.250	4	341	83.500	A	334
Dopplar Navigation SONAR (DNS)         A         205,009         2           Auxiliary Navigation System (ANS)         A         A         A           Franco-Hull Mech         AA         B         B           Install of Modifications         N/A         B         B           Documentation         N/A         B         B           Acceptance Testing         N/A         B         B           Production Engineering         N/A         B         B           Production Support         N/A         B         B           Production Support         N/A         B         B           Integrated Legistics Support         N/A         B         B	ey - Units	K		366.000	2	732	173.500	4	<del>8</del> 69	171.000	4	684
Auxiliary Nevigation System (ANS)         A           Frames/Hall Mech         A           Instituted of Modifications         N/A           Documentation         N/A           Acceptance Testing         N/A           Production Engineering         N/A           Production Support         N/A           Production Support         N/A           Production Support         N/A           Integrated Logistics Support         N/A	lar Navigation SONAR (DNS)	¥		205.000	2	410	46.750	4	187	46.000	4	184
Frames/Hall Mech         A           Install of Modifications         N/A           Documentation         N/A           Acceptance Testing         N/A           Production Engineering         N/A           Production Support         N/A           Production Support         N/A           Production Support         N/A           Production Support         N/A           Public Support         N/A           Production Support         N/A           Production Support         N/A	ary Navigation System (ANS)	*					24.750	€3	86	24.250	₹	97
Institute of Modifications	s/Hull Mech	A				946						
Port N/A   N	of Modifications	N/A				2,083			2,721			2,720
Poort N/A	mentation	N/A				306						
Port N/A	ptance Testing	N/A				882						
N/A	uction Engineering	N/A				2,263						
N/A	rated Logistics Support	N/A							2,567			699
	iction Support	N/A							1,897			2,090
						·	٠					
	LINE ITEM TOTAL					11,792			11,028			9,255

P-1 SHOPPING LIST, ITEM NO. 53



Page 1 of 1 Page EXHIBIT P-5, Weapon System Cost Analysis

BODOS	BUDGET PROCUREMENT	HISTORY	AND PLANNING				7	A. DATE:	March 1990	0,
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	ITY S			C. P-1 IT. MK 8 I	P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVI	P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY	у уеніссе	(SDV)		
LINB ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPB	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. MK 8 MOD 1 SDV SYSTEMS										
A. GPS	Don't									
PY 95	VARIOUS	OTHER	NSWC, Dhigm	MAR 95	JAN 96		159.500			
B. SONAR - OBSTACLE AVOIDANCE										
PY 95	SONATECH	SS/FP	NSWC, Dhigm	AUG 95	FEB 95	2	839.000			
	Santa Barbara, CA									
FY 96	SONATECH	SS/FP	NSWC, Dhigm	JAN 96	ML 96	6	461.750			
	Santa Barbara, CA	NOTTO	· · · · · · · · · · · · · · · · · · ·							· · · · · · · · · · · · · · · · · · ·
	SONATECH	SS/FP	NSWC, Dalgm	70L %	IAN 97	2	461.750	YES	NO	
	Senta Barbara, CA	NOTTO								
FY 97	SONATECH	SS/FP	NSWC, Dhigm	JAN 97	TOL ST	4	454.500	YES	NO	
	Santa Barbara, CA	OPITON								
C. SONAR - DOCKING										
FY 95	VARIOUS	OTHER	NSWC, Dhigm	JAN 95	DBC 98	2	207.500			
FY 96	VARIOUS	OTHER	NSWC, Dhiem	NOV 95	MAY 96	*	52.250			
FY 97	VARIOUS	OTHER	NSWC, Dhigm	NOV 96	MAY 97	4	\$1.500	YES	NO	

P-1 SHOPPING LIST, ITEM NO. 53

Page 1 of 4 Pages EXHIBIT P-5A Procurement History and Planning

D. REMARKS: 1. FY95 unit cost appears higher than outyear unit cost due to the engineering effort associated with transitioning the ECP from development to production.

2. For ECPs that reflect various contractors, the Coartal Systems Station will procure the piece parts via Procurment Requests (PR), assemble the unit on site, and prepare the assembly for installation during the overhaul procedure.

28. Harris Corporation will provide HF radio; Magnavox will provide UHF.

<sup>3.</sup> Contract Method & Type Other = PR

BODGE	BUDGET PROCUREMENT	HISTORY	AND PLANNING	Prin				A. DATE:	March 1996	9
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	All			C. P-1 IT	P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVI	P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE (SDV)	Y VEHICLE	(SDV)		annanisch bei betreit der met wert
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPB	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEC.	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
D. SECURE COMMUNICATIONS - HF/UHF RADIO										
FY 95	HARRIS (HF)	SS/OTHER	NSWC, Dhigna	MAR 95	JAN 96	07	109.058			······································
	Rochester, NY		- AREUS AME						***********************	
	MAGNAVOX (UHF)	\$\$/OTHER	NSWC, Dalgra	MAR 95	JAN 96	2	88.942		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
	Ft. Wayne, IN		and the second s							
FV 96	HARRIS (HP)	SS/OTHER	NSWC, Dalgra	NOW 95	MAY 96	4	31.780			<del>paragaranta an</del>
	Rochestez, NY		giornal de Carlos (construir de Carlos C							
	MAGNAVOK (UHF)	\$S/OTHER	NSWC, Dhigm	NOW 95	MAY 96	*	25.970			·
	Pt. Wayne, IN		والمراجع والمساور	₩ <u>₩</u>						
79 YE	HARRIS (HF)	SS/OTHER	NSWC, Dhigm	NOV 96	MAY 97	4	31.406	YES	NO	
	Rochester, NY				og magning ()				· Al marking	
	MAGNAVOK, (UHF)	\$S/OTHER	NSWC, Dhigm	NOV 96	MAY 97	*	25.344	YES	OZ.	
	Fr. Wayne, IN								· · · · · · · · · · · · · · · · · · ·	o de la companya de l
					The state of the s	manufacture (Co. 10 A Tol Andrews			and the second	
		<del>presi</del> t								

D. REMARKS: 1. FY95 unit cost appears higher than outyear unit cost due to the engineering effort associated with transitioning the BCP from development to production.

2. For ECPs that reflect various contractors, the Coarial Systems Station will procure the piece parts via Procurement Requests (PR) assemble the unit on site, and prepare the assembly for installation during the overhead

P-1 SHOPPING LIST, ITEM NO. 53



Page 2 of 4 Pages EXHIBIT P-5A Procurement History and Planning

procedure. 3. Contract Method & Type Other = FR

BUDGET	BUDGET PROCUREMENT	HISTORY	AND PLANNING				7	A. DATE:	March 1996	8
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	TY			C. P-1 IT MK 8 I	C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVE	P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY	Y VEHICLE (SDV)	(SDV)		
LINB ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
B. MISSION DATA RECORDER				٠						
FY 95 - Audio/Vieual Recorder	SONY (Audio/Vieual)	SS/FP	NSWC, Dhigm	MAR 95	NAI 96	8	112.434			
	Crambury, NI									
Digital Recorder	VARIOUS	\$\$/OTHER	NSWC, Dhlgm	MAR 95	JAN 95	2	137.066			
FY 96 - Audio/Visual Recorder	SONY (Audio/Virual)	SS/FP	NSWC, Dhigm	NOV 95	MAY 96	4	26.500		,	
	Cranbury, NJ	OPITON								
Digital Recorder	VARIOUS	OTHER	NSWC, Dhigm	NOV 95	MAY 96	*	32.250			
						•	8		Ş	
FY 97 - Audio/Virual Recorder	SONY (Audio/Visual)	SS/FP	NSWC, Dhigm	% AON	MAY 97	4	26.000	SIA	OZ.	
	Cranbury, NJ	NOLLO								
Digital Recorder	VARIOUS	OTHER	NSWC, Dhigm	NOV 96	MAY 97	*	32.000	YES	ON	
F. PROPULSION MOTOR										
FY 95	Motion Ctri Sys	SS/FFP	NSWC, Dhigm	JUL 95	JAN 96	2	431.500			
	Redford, VA									

P-1 SHOPPING LIST, ITEM NO. 53

Page 3 of 4 Pages EXHIBIT P-5A Procurement History and Planning

D. REMARKS:

1. FV95 unit cost appears higher than outyear unit cost due to the engineering effort associated with transitioning the BCP from development to production.

2. For BCPs that reflect various contractors, the Cosetal Systems Station will procure the piece parts via procurement requests, assemble the unit on site, and prepare the assembly for installation during the overhaul procedure.

3. Contract Method & Type Other = PR

B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2 LINB ITEM E. PROPULSION MOTOR (Comt'd)									White services with the service of t	The second secon
				C. P-1 III MK 8	C. P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVI	P-1 ITEM NOMENCLATURE MK 8 MOD 1 - SEAL DELIVERY VEHICLE	/ VEHICLE	(SDV)		
F. PROPULSION MOTOR (Coat'd)	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
							American American			
FY 96	Motion Control Sys	C/FFF	NSWC, Dalgm	NOV 95	MAY 96	*	88.250			
Rea	Radford, VA							Į		
PY 97	Motion Control Sys	C/FFP	NSWC, Dhigm	NOV 96	MAY 97	*	83.500	YES	NO	
	Redford, VA									
G. DISPLAY - UNITS										
N 98	VARIOUS	OTHER	NSWC, Dalgra	MAR 95	JAN 96	8	366.000			
PY 96	VARIOUS	OTHER	NSWC, Dalgra	NOV 95	MAY 96	*	173.500			
FY 97	VARIOUS	OTHER	NSWC, Dhigm	NOV 96	MAY 97	*	171.000	YES	NO	
H. DOPPLER NAVIGATION SONAR (DNS)									and Anglands .	- Andrews
W 95	VARIOUS	OTHER	NSWC, Dilgm	MAR 95	JAN 96	2	205.000		200	
7A 36	VARIOUS	OTHER	NSWC, Dhigm	NOV 95	MAY 96	4	46.750			A September Production
FY 97	VARIOUS	OTHER	NSWC, Dalem	NOV 96	MAY 97	*	46.000	YES	NO	
I. AUXILIARY NAVIGATION SYSTEM (ANS)						200,000				
PY 96	VARIOUS	OTHER	NSWC, Dhigm	S6 AON	MAY 96	4	24.750			
PY 97	VARIOUS	OTHER	NSWC, Dalgra	NOV 96	MAY 97	*	24.250	YES	NO	e

P-1 SHOPPING LIST, ITEM NO. 53

UNCLASSIFIED

Page 4 of 4 Pages EXHIBIT P-5A Procurement History and Planning

D. RHMARKS:
 I. FV95 unit cost algebra than outyear unit cost due to the engineering effort essociated with transitioning the BCP from development to production.
 2. For ECPs that reflect various contractors, the Coastal Systems Station will procure the piece parts via Procurement Requests (FR), assemble the unit on site, and prepare the easembly for installation during the overhaul procedure.
 3. Contract Method & Type Other = PR

BUDGET ITEM JUSTIFICATION SHEET	ATION SHEET		DATE	E	MARCH 1995	995	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 I SUBI	P-1 ITEM NOMENCLATURE SUBMARINE CONVERSION	ATURE RSION				
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY DDS Host Conversions		1		3	-	•	
COST (In Millions \$)	6.071	4.647	8.913	17.188	.284	.328	

SSN 688 class submarines as Dry Deck Shelter (DDS) host submarines to replace the decommissioning SSN 637/640 class submarines. All execution of Special Operations missions as the Naval component of the U. S. Special Operations Command. This conversion will provide current DDS host submarines (SSN 637/640 class) are scheduled for inactivation soon. This inactivation schedule is classified and will be MISSION AND DESCRIPTION: This program supports Naval Special Warfare Command's equipment and mission requirements for the provided upon request. These modifications will ensure the continued capability for clandestine, underwater SEAL and SEAL Delivery Vehicle (SDV) infiltration/exfiltration operations.

fixtures), prepares operational manuals, and funds host certification. Also, orders those subsystems, components, and materiel needed for FY 1997 PROGRAM JUSTIFICATION: Funds work package preparation, prefabrication of kit assemblies (piping, valves, external hull one Dry Deck Shelter host submarine.

UNCLASSIFIED

WRAPON SYSTEM COST ANALYSIS	A Am	A. Ammoniation/Rudges Activity Title/No.		Magazaniohi	949				C DATE.		
EXHIBIT (P-S) - Shipbuilding	Procure	Procurement, Defensowide/Proc. Just./2.	SUBMARINE CONVERSION	E CONVER	NOIS				WAR	MARCH 1996	
	Ident.			FY 1995			FY 1996			FY 1997	and the second of the second of the second
Weapon System Cost Blements	Code		Unit Con	ALO.	Total Cost	Unit Cort	QTY	Total Cost	Unit Cost	ALIO	Total Cost
1. SUBMARINE CONVERSION											
A. Dry Deck Shelter Host Conversion	A										
(1) Ship Att/Detail Design/Install				VAR	3,985		WAR	4,647		VAR	4,413
(2) Fabrication of Ship Alt Kita									The state of the s	VAR	3,055
(3) Certification & Trials					2,086						1,448
Subtotal	TO THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN T				6,071	And the second s		4,647			8,913
			The state of the s								
											A THE COMPANY OF THE PROPERTY
en de de la material de la manada de la descripción de la descripción de la descripción de la descripción de l											
nandar depolition and december assess assess assess decide that in the care of a personal and assessment are to the											
FINE STATE											
TAIND LIEBY TOTAL				-	6,0/1			4,047		~ ~	8,913

P-1 SHOPPING LIST, ITEM NO. 54/55

UNCLASSIFIED

Page 1 of 1 Page EXHIBIT P-5, Weapon System Cost Analysis

BUDGET ITEM JUSTIFICATION SHEET	STIFICATION SH	BBT		DATE	MARC	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NON MK V SPECIA	P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS CRAFT	CRAFT	٠		
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY	2	4	9				
COST (In Millions \$)	14.522	35.884	41.211	35.384			

be a high performance combatant craft capable of being transported over land and on-board C-5 aircraft on its own transporter system. The Operations Forces (SOF). It will have the inherent ability to support limited coastal patrol and interdiction taskings. The MK V SOC will MISSION AND DESCRIPTION: The MK V Special Operations Craft (SOC) will conduct medium range insertion / extraction of Special justified by potential maritime SOF employments in all unified areas of responsibility. The program is structured to procure, sustain and need for this type of combatant craft was validated during operation Desert Shield and Desert Storm in the Persian Gulf and is further man operational systems (i.e. detachments) annually, vice individual items of equipment.

FY 1997 PROGRAM JUSTIFICATION: Procures three (two craft each) operational MK V SOC detachments (six total craft and support

Beginning with FY 1996, spares and deployment package funding is located in SOF Spares and Repair Parts line. Pre-planned product improvement funding is now located in Maritime Equipment Modifications line.

P-1 SHOPPING LIST, ITEM NO. 56

Page 1 of 1 Page EXHIBIT P-40 Budget Item Justification Sheet

Weapon System Cost Elements   Edent.	ant.		A CONTRACTOR OF THE PROPERTY O	DOUG .	Market Company of the				The second secon	- CONTRACTOR - CON	
CRAFT  (RAFT)	9 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	The state of the s		EN IND			FY 1996			FY 1997	
CRAFT	₩ <		Unit Cost	QUA	Total Cost	Unit Cost	QTY	Total Coat	Unit Cost	MID	Total Cost
	∢ <										
	V		3,782.500	2	7,565	4,728.500	8	18,914	4,472.500	9	26,835
	4		907.500	64	1,815	1,039.250	*	4,157	831.000	9	4,986
	8		167.500	2	338	157.500	8	630	160.000	19	096
. 29	A		62.500	4	250	65.500	ස	\$28	67.500	12	010
39	A		1.000	Ø	8	14.500	0	116	115.000	12	180
8	4		40,000		40	32.500	4	130	33,333	89	100
	N/A				716			2,182			1,700
	N/A		1,330.000	024	1,330						
I. Tractor (M916A1B1)	A					203.000	10	2,030	208.571	7	1,460
J. Acceptance Tests NI/	MA				145	Complete Com					
tions	A	And the second s	500.000	2	1,000	625.000	10	6,250	633.333	9	3,800
L. Support Equipment	A			VAR	432		VAR	781		VAR	200
	A		26.500	2	53	42.500	4	170	30.000	9	180
N. Sparce	A		837.000	64	837						
Western and the second											
			-3-								
		0									
LINB ITEM TOTAL					14,522			35,884			41,211

Page 1 of 1 Pages
EXHIBIT P-5, Weapon System Cost Analysis

P-1 SHOPPING LIST, ITEM NO. 56

BUDGET PROCUREMENT	1	HISTORY AND P	AND PLANNING				A.	DATE:	March 1996	96
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 IT MK V	EM NOMI SPECIAL	P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS	S CRAFT			
LINB ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IP YES, WHEN AVAIL
1. MK V SPECIAL OPERATIONS CRAFT SUPPORT										
A. MK V 80C	was:		- Cold							
FY 95	Hatter Marine New Orleans, LA	OPTION	USSOCOM	MAR 95	JAN 96	6	3,782.500			
FY 96	Hatter Marine New Orleans, LA	OPITON	USSOCOM	NOV 95	AUG 96	*	4,728.500		1,000	•
FY 97	Halter Marine New Orleans, LA	OPTION	USSOCOM	OCT %	JUN 97	9	4,472.500	YBS	ON	
B. TRANSPORTER		× 1 440-1100		and the second s					Alema gagae	ra j redokano u o
PY 95	Halter Marine New Orleans, LA	OPTION	USSOCOM	MAR 95	JAN 96	8	907.500			
PY 96	Hatter Marine New Orteans, LA	NOTION	USSOCOM	NOV 95	AUG 96	*	1,039.250			
FY 97	Halter Marine New Orleans, LA	OPTION	USSOCOM	OCT %	NON 97	•	831.000	YBS	ON.	
C. HEAVY SUPPORT VEHICLE (M1083)								المنافقة ا		اديت
FY 95	Stewart/STVSO	NOTTO	Army, TACOM	SHP 95	APR 96	7	167.500			, odan
FY 96	Stewart/STVSO	NOLLAO	Army, TACOM	OCT 95	APR 96	*	157.500			
FY 97	Stewart/STVSO	OPITON	Army, TACOM	ocr %	APR 97	•	160.000	YES	ON	
Contract and and an and an and an and an and an					<b>1</b> 000 - 200 - 200					
HY OF	AM General	OPTION	Army/TACOM	SEP 95	APR 96	*	62.500		10	***********
96 A-B	AM General	OPTION	Army, TACOM	OCT 95	APR 96	60	65.500			

P-1 SHOPPING LIST, ITEM NO. 56

Page 1 of 3 Pages EXHIBIT P-5A Procurement History and Planning

RIDGET BE	RIDGET PROCIERMENT HIST	HISTORY AND D	AND DI ANNING				•	DATE.	March 40	n.c
		3			The state of the s		Ċ	B	March 1990	90
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	Service de la constant de la constan			C. P-1 III	TEM NOW	P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS	S CRAFT			
LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
. L6 AH	AM General	NOTIO	Army, TACOM	oct %	APR 97	12	67.500	YES	NO	
B. 9-250 Shelter					15/2					- 0.00
FF 95	SOFSA	2	USSOCOM	MAR 95	APR 95	*	1.000			o de sente de constante de la
96 Ad	SOFSA	2	USSOCOM	OCT 93	JAN 96	820	14.500			11 mm of 10 mm
16 FM	SOFSA	2	USSOCOM	OCT 98	JAN 97	12	15.000	YES	NO	
F. ISU-90 SHELTER										
FY 95	SOFSA	2	USSOCOM	MAR 95	APR 95	<b>1284</b>	40.000			
FY 96	SOFSA	2	USSOCOM	OCT 95	JAN 96	4	32.500		a gray pair ye a things	and the boundary of the same
FY 97	SOPSA	2	USSOCOM	OCT 96	JAN 97	en	33,333	YES	NO	· disconnection in
H. DEPLOYMENT PACKAGE				n: 200-20	gyeredini Ser				a parameter and an	
FY 95	VARIOUS	C & SS	USSOCOM	JUN 95	JUL 95	<b>9-4</b>	1,330.000	Colonia manag		
I. TRACTOR (M916A1E1)										
FY 96	Freightliner	OPTION	Army, TACOM	OCT 98	JUN 96	9	203.000			
FY 97	Freightliner	NOTIGO	Army, TACOM	OCT &	JUN 97		208.571	YES	S S	
R. BASIC COMMUNICATIONS			Agree, creati	200		• 44 *** 44 ***	- And an address		· ·	
FY 95	VARIOUS	C/FF	USSOCOM	MAR 95	MAY 95	8	\$60.000			and the second second
96 14	VARIOUS	CAFP	USSOCOM	ocr 98	SEP 96	07	625.000	Marian e I ma	acomplete.	
FY 97	VARIOUS	CARP	USSOCOM	OCT 98	SEP 97	9	633.333	VES	No	
M. SKIDS	And a Control of Control							an and a		
FF 95	Halter Marino New Orleans, I.A.	OPTION	USSOCOM	MAR 95	JAN 96	89	26.500			

P-1 SHOPPING LIST, ITEM NO. 56



Page 2 of 3 Pages EXHIBIT P-5A Procurement History and Planning

		TO VIO	Or Control							
BUDGET PROCUREMENT	ı	HISTORY AND P	AND PLANNING				A.	DATE:	A. DATE: March 1996	96
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 II MK V	TEM NOMI	C. P-1 ITEM NOMENCLATURE MK V SPECIAL OPERATIONS	S CRAFT			
LINB ITEM/ FISCAL, YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD	DATE OF FIRST DEL	VUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
FY 96	Halter Marine New Orleans, LA	NOLLION	USSOCOM	S6 AON	AUG 96	4	42.500			
FY 97	Halter Marine New Orleans, LA	OPTION	USSOCOM	0CT %	76 NOr	٠	30.000	YES	NO	
N. SPARES										
FY 95	VARIOUS	C & SS	USSOCOM	so NOt	JUL 95	cal .	837.000			
							·			
D. REMARKS:										

P-1 SHOPPING LIST, ITEM NO. 56

Page 3 of 3 Pages EXHIBIT P-5A Procurement History and Planning

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		and a second desire the second	E A	Air	185						) H	0>	<b>4 2</b>	marcord)	-	_	-	44-1-0	Contractor :	₹ Œ	<>		шo	0>	Z N	m eb	9.6	SC	-	m er	m ez
C	Note	A. MKV SP OPB CRAFT								- Marine Control															Parkward Pro						
C	No	FYBB	2	68		84			- Licer-min	in outside	et in viente			⋖			A STATE OF THE STA		~						A A A A A A A A A A A A A A A A A A A						-
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	N	B. TRANBPORTER																													
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NAMES	NAMES   NAME																						and the same and the same and the	No. Contraction							
NAVES	NAMES	TOTAL																													
MAX   PROCUREMENT LEAD TIME   PRIOR	MAX   PROCUREMENT LEAD TIME   PRIOR						205	-47 -86	<b>44 C</b>		STREET,	20×	<b>~</b> ∢Z	<b>2</b> ∢Œ	242	-34	90 W C.	202	742	2-4 E	242	732	mm c		ರಾಷ್ಟ	r m m	Secretary Co.		-3_		
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	Control of Control	P-1 BHOPPING LIST, II	TEN	89.0			luca con la	200				PAG	10	1 PAG	m													0	HIBL		6

BUDGET ITI	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	MAF	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM SOF ORD	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	E TION			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (in Millions \$)	13.224	18.689	6.161	13.380	13.571	4.646	3.260

Name Change: Line Item formerly called "SOP Pyro/Demo".

MISSION AND DESCRIPTION: The items included within this P-1 line are ordnance items that have acquisition requirements. This program provides a variety of items developed and modified for Special Operations Forces (SOF).

- of defeating tracked/wheeled vehicles, POL/ammunition storage sites and parked aircraft at a standoff distance. SLAM replaces heavier and 1. Selectable Lightweight Attack Munition (SLAM). SLAM is a 2.2 pound hand emplaced munition of various detonation methods capable bulkier munitions that are often not suitable to meet SOF mission requirements.
- 2. SOF Demolition Kit. This kit consists of inert warheads, liners, shaped charges, tools, equipment, and attaching devices for constructing and emplacing a variety of demolition charges. The kit allows the SOF operator to tailor the demolition charges to the target providing greater lethality and mission flexibility.
- 3. Time Delay Firing Device (TDFD). The TDFD is an improved firing device which replaces the outdated six versions of the M1 firing
- 4. 25mm High Explosive Incendiary (HEI). This program has transitioned to logistics sustainment. Funding is now in the SOF Ordnance Replenishment Line Item.

P-I SHOPPING LIST, ITEM NO. 57

Page 1 of 3 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEE	DATE	
	M	AARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	

failure over the past 40 years, and when attached to improved, more lethal projectiles, becomes a safety hazard to the gunship and its crew. This program has transitioned to procurement to replace fuzes on 1.2 million rounds through 1999. (This program is in the SOF Platform 5. 40mm Refuze. This program develops a more effective 40mm round of ammunition to more successfully engage and defeat personnel and lightly armored targets. Moreover, an urgent safety requirement exists to replace the current MK-27 fuze which has been prone to Gun Ammunition line in FY 1995 and prior).

FY 1997 PROGRAM JUSTIFICATION: This is a continuing effort to replace the unsafe fuze on the 40mm inventory. Funding procures 271,500 rounds. 6. Remote Activated Munitions System (RAMS) - RAMS provides a capability to remotely control detonation of demolition charges or the remote operation of other items of equipment such as beacons, laser markers, radios, and weapons.

PY 1997 PROGRAM JUSTIFICATION: This procurement is a direct result of a development effort by SOF and acquires approximately 100 sets. Each set consists of one transmitter, one Auxiliary Power Pack, and seven Type A Receivers.

- exercises, submarine rescue an search and rescue operations. NSW demolitions are required for fleet units to perform training functions and 7. Naval Special Warfare (NSW) Pyrotechnics and Demolitions. NSW forces require a variety of pyrotechnic devices for training, combat operating requirements.
- 8. Activated Metal Decoy (AMD). The AMD system is discharged in flight as a decoy to anti-aircraft weapons to mask aircraft location.
- 9. Stinger Modification. Procures hardware and software modifications to improve Stinger missile performance against aerial targets which are slow moving, employing advanced countermeasures, or operating at night. These modifications will also improve performance against

P-1 SHOPPING LIST, ITEM NO. 57

Page 2 of 3 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET	HEBT DATE	B MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION	

command and launch platforms including the gripstock used for the Patrol Coastal Man-Portable Air Defense (MANPAD) launching of missiles. The Stinger missile is the Navy SOF Patrol Coastal Ship class's primary weapon and they are also employed by Navy SEAL slow moving surface craft that are operating day or night. The modifications will maintain compatibility with all current and planned teams and the SEAL delivery vehicle teams.

Note: The P-20 exhibits (Requirements Study) are classified and not included with the Budget Submission. These documents can be furnished upon request. 10. LIMPET. Provides Sea, Air, and Land (SEAL) units the LIMPET Assembly Module (LAM) MK-5, Practice LIMPET Assembly Module (PLAM) MK-6, and Engineering Change Proposals (ECP) for LAM MK-5/PLAM MK-6.

objective, and meet SEAL training requirements. Also provides funds for production engineering and ECP for Power Supply MK 156 Mod FY 1997 PROGRAM JUSTIFICATION: Funds are needed to continue to install product improvements, restore LIMPETs to the inventory I and MK-6 PLAM procurement support. Procures Wing and Yoke Kits for the MK-6 PLAM.

Note: Because many types of ammunition are included in each item within the P-5 exhibit, the unit cost reflected is an average amount.

	MODIFICATION SUMMARY FOR SOF ORDNANCE ACQUISITION	FOR SOF ORD	NANCE ACQU	NOILISI			
DESCRIPTION	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
Stinger Block I		4.787					

P-I SHOPPING LIST, ITEM NO. 57

EXHIBIT P-40 Budget Item Justification Sheet

WEAPON SYSTEM COST ANALYSIS EXHIRIT (P.S) - AMMUNITION	A. Appro Procuren	A. Appropriation / Budget Activity Title / No. Procurenest, Defensewide / Proc. Just. / 2	B. Line Ites	B. Line Item Nomenclature SOF ORDNANCE ACQUISITION	ISTITION				C. DATE:	IH: MARCH 1996	Zej a kojejo kon kini
	Ident.			FT 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code		Unit Cost	MID	Total Cost	Unit Cost	MID	Total	Unit	M	Total
1. SELECTABLE LT WT ATTACK MUNITION	A										
A. HARDWARB			1.042	4,900	\$,105	1.001	5,800	8,804			
2. SOF DEMOLITION KIT	«										
A. HARDWARB							VAR	688			
3. TIME DELAY FIRING DEVICE (TDFD)	¥										
A. HARDWARB (TRAINERS)						1.154	260	300			
	<										
4, ZSMIM HEL	Y										The state of the s
A. HARDWARB							N/A	3.1			
5. 40MM PGU9 A/B REFUZB	ď										
A. HARDWARB						0.024	271,000	6,504	0.016	271,500	4,334
6. REMOTE ACTIVATED MUNITIONS SYS	Ø9										
A. HARDWARB							VAR	150	11.560	8	1,156
7. NSW PYRO DEMOLITIONS	4										
A. HARDWARB				VAR	7,228						
								-			
8. ACTIVATED METAL DECOY (AMD)	∢										
A. Hardware			0.148	6,020	891						
								and the state of t			
9. STINGER MODIFICATION	4							the state of			
A. HARDWARB						31.913	150	4,787			
											Control of the last of the las
10. LIMPET	4										the state of the s
A. HARDWARB							VAR	425		VAR	11.9
INR ITEM TOTAL					13,224			18,689			6,161

P-1 SHOPPING LIST, ITEM NO. 57

Page 1 of 1 Pages EXHIBIT P-5, Weapon System Cost Analysis



BUDGE	BUDGET PROCUREMENT	HISTORY AN	AND PLANNING				Ÿ	DATE:	March 1996	96
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 IT SOP O	C. P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISITI	P-I ITEM NOMENCLATURE SOF ORDNANCE ACQUISITION				
LINB ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. SELECTABLE LIGHTWEIGHT ATTACK MUNITION										
A. Hardware										
FY 95	Alliant Tech Systems	C/FP	ARDEC	S6 ĐẠY	MAR 96	006'\$	1.042	•		
	Hopkins, MN			4 250						
FY 96	Alliant Tech Systems	OPTION	ARDEC	MN 96	MAR 97	5,800	1.001	YES	NO	
	Hopkins, MN									
3. TIME DELAY FIRING DEVICE (TDFD)										
A. Hardware								No. and Sange		
W %	AAI	NOLLO	ARDEC	36 NOI	FEEB 97	260	1.154	YES	ON	
	Hunt Valley, MD		St. (m)							
5.40MM PGU9 A/B REFUZE										
A. Hardware										
FY 96	Alliant Tech Systems	NOTTO	SMCA	36 NO	MAY 97	271,000	.024	YES	NO	
	Hopkins, MN									
FY 97	Alliant Tech Systems	OPTION	SMCA	10N 97	MAY 98	271,500	.016	YES	NO	
	Hopkins, MN									
6. REMOTE ACTIVATED MUNITIONS SYSTEM										
FY 97	UNKNOWN	C/FP	ARDEC	TUN 97	JAN 98	100	11.560	YES	NO	
8. ACTIVATED METAL DECOY (AMD)	*****								zažtono.	
FY 95	UNKNOWN	C/FP	NSWC-CRANE	OCT 95	JAN 96	6,020	.148			

P-1 SHOPPING LIST, ITEM NO. 57

Page 1 of 2 Pages EXHIBIT P-5A Procurement History and Planning

BUDG	BUDGET PROCUREMENT	HISTORY	AND PLANNING	Historica and Charles of the Control			8	DATE.	DATE: Month 1006	300
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	A			C. P-1 III	C. P-1 ITEM NOMENCLATURE SOF ORDNANCE ACQUISTI	ACQUISITION	Comment of the Commen		Avencii 13	064
LINE ITEM	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REO'D	IF YES, WHEN AVAIL
9. STINGER MISSILE MODIFICATIONS FY 96	Mughes	OFTION	Array-PAD	Mar 8	3AN 98	150	ର ଅନ୍ତି : ଅନ୍ତ ଅନ୍ତି : ଅନ୍ତି			
D. Remarks:										

P-1 SHOPPING LIST, ITEM NO. 57



Page 2 of 2 Pages EXHIBIT P-5A Procurement History and Planning

		ONCEASSIFIED	Q.				
CODE "B	CODE "B" ITEM DESCRIPTION		DATE MARCH 1996		REPORTS C DD-COMP,	REPORTS CONTROL SYMBOL DD-COMP, (USSOCOM) 1092	BOL 92
APPROPRIATION/ACTIVITY PROCUREMENT, DEFENSEWIDE/2				P-1 ITEM NOMENCLATURE: SOF ORDNANCE ACQUISITION	NCLATURE: ACQUISITION	NC	
1. CURRENT DEVELOPMENT AND TEST STATUS:	FEST STATUS:			-	SCHEDULE DATE	2 DATE	
				CURRENT	LAST	REASON FOR DELAY	R DELAY
Dev Test & Evaluation		Plan/Actual	tual	10/96 - 04/97	N/A	N/A	
Initial Test & Evaluation		Plan/Actual	ual	10/96 - 04/97	N/A	N/A	
Operational Test & Evaluation		Plan/Actual	tual	10/96 - 04/97	N/A	N/A	
Availability Date of Technical Data Package	age	Plan/Actual	luai	16/50	N/A	N/A	
2. ESTIMATED DATE OF APPROVAL FOR SERVICE USE: JUN 97	L FOR SERVICE USE: 1	76 ND					
3. EQUIPMENT ITEM(S) TO BE REPLACED: M122, Demolition	PLACED: M122, Demolition	n Firing Device.					
4. EXTENT OF IMPROVEMENT OVER ITEM(S)/EQUIPMENT TO Extended range; lighter; smaller; commercial battery; field programmable.	ER ITEM(S)/EQUIPMENT icroist battery; field program	TO BE REPLACED:					
5. DEVELOPMENT CONTRACT INFORMATION: (Dollars in Millions):	ORMATION: (Dollars in	Millions):					
CONTRACTOR NAME (1)	PLANT LOCATION (2)	COMPONENT (3)		THRU FY 95 (5)	FY 96 (6)	FY 97 (7)	BEYOND FY 97 (8)
Army Research Lab	Adelphi, MD	XM152 (RAMS)		4.440	2.366	3.507	1.493
TOTAL RDT&E FUNDING				4.440	2.366	3.507	1.493

#### 6. REMARKS:

Developmental testing and operational testing will be a combined effort. Procurement administrative lead time will be eliminated by having a government agency manufacture the initial procurement quantity to validate the technical data package for the transmitter, auxilliary power supply, and the type "A" receiver. Procurement funds will be obligated in June 1997.

P-1 SHOPPING LIST, ITEM NO. 57

UNCLASSIFIED

Page 1 of 1 Page EXHIBIT P-19 Code "B" Item Description

BUDGET PRODUCTION SCHEDULE	EDOCE			- 6	P-1 ITEM NOMEN BOF ORDNANCE AC	DNA	NG.	ថ្ង	NOLUBILION	ž				2	E	101	8	-		2	8	7	7 10		8.0	9					200	MAN A	SIN	986	1		-	L
TEM/MANUFACTUREY PROCUREMENT YEAR	@WE>	PROC	PRIOR 100T	BAL DUE A@ OF 1 OCT		H		$\parallel$				DOH	20>	284 E	NA T BB	2 4 E	2 5 4 5 E	CALENDAR VE	Œ≪⊃0	88 m m m m 0 Ω ⊢	20>	DM0	CA ENDAR	2348	A O E	## 75 Z	200	mme_	PUF	KON VON	PAZ	A m m	Q K a E	CAMENOMA VEAR	E 22	. ₹⊃0	2 m c	N-ME
1. BLAM FY88		4800	0	98		AND THE PARTY OF T		racing towns of a first of a go for this tow		range and the same of the date of						Company of the same of the party of the party of		teather the territory of the	⋖	rangelius es se simo estra l'astraga estra		and the second of the second		6								×	and the second second		and published the same of the		Company of the Property of the Company	
FV86	3,0000	8800	2880	7640					204					of various basins								y construct a Color			-	⋖		-		-					-		-	22 00
B. 40MM REFUZE FY88		27 1000	•	27 1000						The second second second second						and the same of		Commence of the Control of the Contr				Committee of the Commit				<							And the second s				-	186063
F107		27 1600	112917	428563																					_	-		-					_		<b>«</b>		8	27 1800
6. STINGER MODIFICATION FY88		160	o	99								- parientes sur a minimum a su dispersar a su dispe	******************	or her management of the second of the second						annochimistra del marco, estra artes e servicio, es				4							a harman di dan		A CONTRACTOR OF THE PARTY OF TH		and the second s			89
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					2.0> 00:	0#0	### 7≪Z	五《红	247	732 732	€50 233	o ma	2 0 ⊅ .	O M O	742	2 4 2	2 4 > ; 4 a a ;	752 342	< > 0 - 5 - 1	<b>9</b> m 6	00>	202	242	¥««	CO.	2 42	704 702	<>0€	20≻ 200	20>	ರಿಷರ	2 4 Z	₹ « EC	14> 10.60	• <b>3</b> Z	125	0 WB.	
MANUFACTURER'S NAME AND LOCATION		MIN HATES	MAX	ACH'D 0 +						ADMIN LEAD ADMIN LEAD TIME LEAD TIME PRIOR   AFTER	NEW T	3	MENG.	6	TOTAL		5 at C	5 5 2	E BB	PONTRACT AWARD  CONTRACT AWARD  18T DEL.WERY OF LARGE QUANTITY ITEMS	A A	₹۾	98	NAW.	È	Ē	20											
	-		Ш	Ш	INITIAL	2		$\sqcap$	9	إإ	희		₽		8																							
					RECKDER PION BOLD	DER P	164 80	(305)																		١			١	١	Ì							00

-	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	MA	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	. <b>А</b> СТІVІТУ VIDE / 2	P-1 ITEM SOF PLA	P-1 ITEM NOMENCLATURE SOF PLATFORM GUN AMMUNITION	E MUNITION			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	40.148						

\* This P-1 line is canceled after FY 1995 and its components are consolidated into SOF Ordnance Replenishment and SOF Ordnance Acquisition P-1 lines as noted below.

Ammunition is necessary to support Air Force and Navy Special Operations Forces (SOF) annual training requirements and replenish war reserve SOF-MISSION AND DESCRIPTION: This budget line contains all platform gun ammunition for the AC-130 Gunship, Navy Ship Gun, and Patrol Craft. unique stockage. It also refuzes 40mm Gunship ammunition to correct safety of flight hazards.

- 1. Training Ammunition. Provides 25mm, 40mm, and 105mm training rounds required to maintain AC-130 Gunship crew mission readiness skills. Quantities vary depending upon training requirements. (Realigned to SOF Ordnance Replenishment in FY 1996)
- maintain war reserve stockage at Defense Planning Guidance levels. This combat munition provides light vehicle kill and area coverage kill capability in 2. AC-130 Ammunition War Reserve. Procures, through the Conventional Ammunition Working Capital Fund (CAWCF), war reserve 25mm ammo to support of air base defense, close air support, and direct action missions. (Realigned to SOF Ordnance Acquisition in FY 1996)
- Replaces the MK 27 fuze to provide adequate safe separation from the gun barrel after firing. Approximately 200,000 rounds will be refuzed each year. 3. AC-130 Gunship PGU-9A/B Refuzing. Provides a new fuze to attach to the PGU-9A/B 40mm ammunition to eliminate safety of flight hazards. (Realigned to SOF Ordnance Acquisition in FY 1996).

P-1 SHOPPING LIST, ITEM NO. 58

Page 1 of 2 Pages
EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET	HEET DATE	ET MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF PLATFORM GUN AMMUNITION	

- warfare groups, special warfare units, SEAL teams, special boat squadrons, and SEAL Delivery Vehicles. Funds are required to procure components, 4. Other Ship Gun Ammunition. Provides ammunition in support of the Naval Special Operations Forces which include special boat units, special load and assemble complete rounds, and to provide ammunition to resupply peacetime expenditures and war reserve requirements.
- 5. Patrol Craft Ammunition. Provides for ammunition and ammunition support elements for the 13 patrol craft equipped with MK-38 25mm guns. Funds are required to support SOF patrol craft requirements for training, and war reserve, and provide product engineering, product improvement, component renovation, and gauges.

P-1 SHOPPING LIST, ITEM NO. 58

Page 2 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet



III LADONA	BUDGET ITEM JUSTIFICATION SH	N SHEET		DATE	W.	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM SOF ORD	P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT	E ISHMENT			
	FY95	FY96	FY97	FY98	FY99	PY00	FY01
QUANTITY							
COST (In Millions \$)	11.341	43.612	24.379	33.524	43.681	56.692	59.573

Name Change: Line Item formerly called "SOF Individual Weapons Ammunition".

Planning Guidance required reserve quantities. This P-1 line reflects a realignment of non-acquisition items from SOF Individual Weapons Ammunition, reserve stock. The requested funding will allow SOF components to accomplish the required annual training and maintain the building of the Defense MISSION AND DESCRIPTION: This program provides ammunition for Special Operations Forces (SOF) components for required training and war SOF Platform Gun Ammunition and SOF Pyro/Demo. 1. Small Arms/Landing Party Ammunition. The various cost elements provide SOF small arms ammunition, (12 gauge up to and including .50 cal and grenades) to support Naval Special Operations Forces' peacetime expenditures, resupply, inter-theater shipping losses, and specified combat reserve requirements.

arms ammunition (12 gauge up to and including .50 caliber), grenades (offensive/defensive and smoke), ammunition items transitioning from various SOF FY 1997 PROGRAM JUSTIFICATION: These funds are required to procure complete rounds, and/or components requiring load and assembly, of small component programs and conduct acceptance testing. Ammunition is required to support peacetime expenditures, resupply, and a specified combat reserve quantity. Additional funding provides for all production engineering support and product improvement.

2. Other Ship Gun Munitions. Provides ammunition in support of Naval Special Operations Forces which include medium caliber gun ammunition (25mm and above), rockets, and conduct acceptance testing.

P-1 SHOPPING LIST, ITEM NO. 59

EXHIBIT P-40 Budget Item Justification Sheet

Page 1 of 3 Pages

BUDGET ITEM JUSTIFICATION SHE	ET DATE MAI	MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	e Ishment	

2. Other Ship Gun Munitions. (Cont'd)

FY 1997 PROGRAM JUSTIFICATION: Funds are to support the Naval SOF Component with load and assembly, complete rounds of Special Operations Forces (SOF) platform munitions including 25mm, 40mm and 60mm gun ammunition, rockets and conduct acceptance testing. ammunition supports peacetime expenditures consisting of re-supply, and specified combat reserve quantities. 3. MK V Special Operations Craft (SOC) Ammunition. Provides ammunition procurements in support of the weapons pre-planned product improvement (P3I) for the MK V SOC. The P3I weapons suite includes 25mm, 7.62mm, GAU-17, and twin .50 caliber machine guns. In addition, the MK V SOC will employ Stinger missiles in a manpack configuration utilizing Beltpack Identification Friend or Foe system and AN-PAS-18 Night Sight during night operations.

FY 1997 PROGRAM JUSTIFICATION: Funds support the Navy SOF component with load and assembly, complete rounds, and conduct acceptance testing. The ammunition supports peacetime expenditures, resupply, and specified combat reserve quantities. These .50 caliber ammunition procurements are in support of the MK V SOC P3I beginning in FY 1996.

elements: special warfare groups, special warfare units, SEAL teams, SEAL delivery vehicle teams, special boat squadrons, special boat units and the expenditures, resupply, and specified combat reserve requirements. The Navy Special Operations Forces are comprised of the following subordinate 4. Navy Pyro/Demo. This program provides pyrotechnic items and demolition material to support Naval Special Operations Forces' peacetime Naval special warfare patrol coastal ships.

FY 1997 PROGRAM JUSTIFICATION: Procures a variety of pyrotechnic items consisting of illumination, signalling, identification, and location

P-1 SHOPPING LIST, ITEM NO. 59

Page 2 of 3 Pages EXHIBIT P-40 Budget Item Justification Sheet





BUDGET ITEM JUSTIFICATION SHEET		DATE MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF ORDNANCE REPLENISHMENT	

### 4. Navy Pyro/Demo. (Cont'd)

devices using glare or smoke as the primary signalling agent, as well as demolition material consisting of explosive devices, initiators and accessories. provides for all production engineering support, product improvement, procurement of renovation components, gauges and SOF peculiar non-standard This procurement is required to support Navy SOF peacetime expenditures, resupply, and a specified combat reserve quantity. Additional funding pyrotechnic and demolition items transitioning from various SOF component programs.

5. Air Force Special Operations Command (AFSOC) Training Munitions. Provides 25mm, 40mm, and 105mm training rounds required to maintain AC-130 Gunship crew mission readiness skills. Quantities vary depending upon training requirements (Realigned from SOF Platform Gun Ammo). FY 1997 PROGRAM JUSTIFICATION: The assortment of ammunition requested is to maintain proficiency by the crews of the AC-130 Gunship. This highly versatile weapons system is dependent on its well trained crews. Without the training munitions to maintain training proficiency, the effectiveness of this weapons system will be severely degraded.

6. AFSOC 25mm War Reserve Munitions. Provides the new PGU-38 round required war reserve stock for the AC-130 Gunship.

Note: The P-20 Exhibits (Requirements Study) are classified and not included with the Budget Submission. These documents can be furnished upon

P-1 SHOPPING LIST, ITEM NO. 59

EXHIBIT P-40 Budget Item Justification Sheet

MATINI (F.) - AMINOMINOM		December 1 Polementing / Port 12	SOF ORDWAR	SOP ORDNANCE REPLENISHMENT	TSHMHNT				MA	MARCH 1996	catcal
	4			900 AD			HW 1006	Control of the Property of Persons and Persons		FV 1997	
	The state of the s			ER RYSU		23.18	OCCUPANT OF THE PARTY OF THE PA	T-A-1	10 474	OTT.	Tree Core
Weapon System Cost Elements	Code		Unit Cost	UIV	1001 Cost	Unit Cost	Z Z	tour Con	Umi Cost		Total Cont
1. SMAIL ARMS/LANDING PARTY AMMO											
HARDWARE											
A. Shotgun Cartridges (All Types)	A									200,000	29
Subtotal											39
B. S.56mm Cartridges (All Types)	*										
Ball M855				1,653,120	612					2,468,700	688
Ball and Tracer				566,400	289					2,312,500	1,110
Blank				419,520	92					1,163,000	244
Subtotal					866						2,243
	CONTRACTOR OF THE STREET, STRE										
C. 7.62mm Cartridges (All Types)	A										
Dim Tracer				1,704,000	1,431						
Blank Linked				1,420,000	969					1,500,000	780
Ball				2,193,240	1,119						
Linked Ball and Tracer				2,723,200	1,471						
Sniper CTG										746,428	627
Linked Ball W/O Tracer							9,899,848	893			
Subtotal					4,617			593			1,407
D. 9mm Cartridges (All Types)	*										
Ball				4,655,971	738		3,272,250	206	9		
Sim 5.56				\$60,000	200						
JMP Subsonio	The second secon			1,710,000	446						
Subtotal					1,384			806	2		
B38 Cal Cartridges (All Types)	A			1,518,500	304						
Subtotal					304						
										a-mi-100	

Page 1 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis



P-1 SHOPPING LIST, ITEM NO. 59

EXHIBIT (P-5) - AMMUNITION	Procurement, Defensewide / Proc.	Activity Inte / No.	SOF ORDNA	B. Line Item Nomenclature SOF ORDNANCE REPLENISHMENT	HSHMENT				C. DATE:	3: MARCH 1996	
	Ident.			FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code		Unit Cost	QTY	Total Cost	Unit Cost	VIV	Total Cost	Unit Cost	QTY	Total Cost
1. SMALL ARMS/LANDING PARTY AMMO (Cont'd)											
F45 Cal Cartridges (All Types)	٧										
JHP				4,751,900	1,473						
Match				3,314,000	630		2,327,465	465			
Subtotal					2,103			465			
G50 Cal Cartridges (All Types)	٧										
Sniper CTG				168'18	205		66,128	574			
Dummy CTG				2,160	9						
Subtotal					808			574			
H. Grensdes (All Types)	٧										
Chg Diversionary MK 141							15,600	546			
Fuze Training Dev Chg				5,000	33						
Hand Smoke White AN-M8				3,200	88						
Chg Diversionary MK 15, Training				20,000	650						
Subtotal					119			546			
PRODUCTION SUPPORT											
PRODUCTION ENGINEERING	N/A				436			455			303
PRODUCT IMPROVEMENT	N/A				101			50			
NON STANDARD ITEMS	N/A				116			200			
Subtotal					653			705			303
TOTAL SMAIL, ARMS/LANDING PARTY AMMO					11,341			3,389			4,017
	•										
2. OTHER SHIPGUN MUNITIONS											
HARDWARB											
A. 25mm Cartridges (All Types)	٧										

UNCLASSIFIED

P-1 SHOPPING LIST, ITEM NO. 59

Page 2 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - AMMUNITION	A. Appropriation / Budget Activity Title / No. Procurement, Defensewide / Proc. Just. / 2	et Activity Title / No. le / Proc. Just. / 2	B. Line Item Nomenclature SOF ORDNANCE REPLENISHMENT	omenclature CE REPLED	NISHMENT			Name of the last	C. DATE:	E: MARCH 1996	
	Ideal			FY 1995			FY 1996			FY 1997	
Wespon System Cost Elements	Code		Unit Cost	ALLO	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	VID.	Total Cost
2. OTHER SHIPGUN MUNITIONS (Coat'd)											
APDS-T Linked							27,118	720		55,240	1,413
Subtotal								720			1,413
B. 40mm Cartridges (All Types)	Y										
Practice M203							45,000	261			
IR Cartridge							35,189	1,512			
Fixed HB	The state of the s				A STATE OF THE STA					87,344	691
Subtotal								1,773			691
C. Rockets (All Types)	A										
TP FFV 552 (Carl Guntal)							8.838	1,360		1,000	774
TP FFV 141 (Carl Gustnf)							2,006	435		800	111
M3 CTG Acceptance Testing								250			
Heat FFV 551 (Carl Gustaf)							2,650	3,604		1,886	2,682
Smoke HFV 469B (Carl Gustaf)							200	286		1,200	716
Illum FFV \$45B (Carl Gustaf)							909	510		1,200	1,056
Law Rockets							4,854	8,000			
Subtotal								11,445			8,339
PRODUCTION SUPPORT											
PRODUCTION ENGINEERING	N/A										587
PRODUCT IMPROVEMENT	N/A										300
Subtotal											887
TOTAL OTHER SHIPGUN MUNITIONS								13,938			8,330
											Control of the Party and the Control of the Control
3. MK V SPECIAL OPERATIONS CRAFT (SOC) MUNITIONS											
HARDWARB											
A 7 (0 - Cartiface	₩							cisco	-		

UNCLASSIFIED

Page 3 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis

P-1 SHOPPING LIST, ITEM NO. 59

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.S) - AMMUNITION	A. Appropriation / Budget Activity Procurement, Defensewide / Proc. 1	get Activity Title / No.	B. Line Item Nomenclature SOF ORDNANCE REPLENISHMENT	domenclature	VISHMENT				C. DATE:	MARCH 1996	
	Ideat.			FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code		Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
3. MK V SPECIAL OPERATIONS CRAFT (SOC) MUNITIONS (Coat'd)											
Linked							4,212,297	5,132			
Subtotal								5,132			
B50 Cal Cartridges (All Types)	¥										
Linked										390,581	1,410
Subtotal											1,410
C. 25mm/30mm Cartridges (All Types)	٧										
Dummy							2,000				
Training Practice (TP)							95,400				
Subtotal								1,587			
D. Stinger Support Equipment	∢										
Night Sights							20				
IFF Interrogators							20				
IFF Programmers							20				
Subtoral								1,470			
PRODUCTION SUPPORT	NIA										
PRODUCTION ENGINEERING								120			35
Subtotal								2			35
			·								
TOTAL MK V SOC MUNITIONS								8,309			1,445
4. NAVY PYRO/DEMO											
HARDWARB	V										
A. Signals											
Illum Rod Star							5,016				
11hm Graind M124							8,016	323			

P-1 SHOPPING LIST, ITEM NO. 59

Page 4 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis

WEAPON SYSTEM COST ANALYSIS	A. Appropriation / Budges Activity Title / N	Activity Title / No.	B. Line Item Nomenclature	omenchure					C. DATE:		
EXHIBIT (F-5) - AMMONITION	Procurement, Defensewide	Proc. Just. / 2	SOF ORDNANCE REPLENISHMENT	CE REPLEN	ISHMENT				MA	MARCH 1996	
	Ident.			FY 1995			PY 1996			FY 1997	
Wonpon System Cost Elements	Code		Unit Cost	ALL	Total Cost	Unit Cost	WILL	Total Cost	Unit Cost	ALL	Total Cost
4. NAVY PYRO/DBMO (Cont'd)											
Signal Kit IR MK 132							14,994	340			
Signal Kit Marine IR MK 132							14,994	750			
Subtotal								1,632			
6 E g	٧										
b. Arming Devices	K										
Sim Hand Grenade				2011			80,000	184			
Flare Surface Trip							3,008	70			
Subcotal								254			
C. Explosive Charges	A							A Commence of the Commence of			
Exp Extru Petn							2,000	28			
40mm Flex Linear Chg							2,155	216			
80mm Flex Linear Chg							1,000	838			
Exp Chg Cont Small							1,666	800		969	209
Exp Chg Cont Med							1,000	800		400	320
Exp Chg Cont Lg							1,000	1,200			
Chg Dml Bxp Chg										710	374
Subtotal								2,912			903
D. Det Cord and Time Fixe	A										
Heavy Load Det Cord 100 Grit					200000000000000000000000000000000000000		\$00,000	400			
Heavy Load Det Cord 200 Grft							\$00,000	650			
Subtotal								1,050			
E. Blast Cape and Initiators	A						and the state of t				
Detonating Delay Element 3.8 Sec.	0						8,000	2			
Detonating Delay Element 6.4 Sec.							\$,000	2			
Detonating Delay Element 9.6 Sec.							8,000	2			
Cap Blasting Elec Hero - Safe							80,000	457			

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Page 5 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis

P-1 SHOPPING LIST, ITEM NO. 59

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-S) - AMMUNITION	A. Appropriation / Budget Activity Title / No. Procurement, Defensewide / Proc. Just. / 2	Activity Title / No.	B. Line Item Nomenclature SOF ORDNANCE REPLENISHMENT	Nomenclature NCB REPLEN	IISHMENT				C. DATE:	3: MARCH 1996	
	Ident.			FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code		Unit Cost	QTY	Total Cost	Unit Cost	QUY	Total Cost	Unit Cost	QTY	Total Cost
4. NAVY PYRO/DEMO (Cont'd)											
Det Nonel W/LD Initiator (50)										8,978	161
Det Nonel W/LD Initiator (500)										6,850	763
Simulators Nonele .50 Cal							1,800	141			
Subtotal								1,390			954
F. Haversack Kit	٧						1,200	240			
Subtotal								240			
G. Other Pyro/Demo Items	¥										
Power Actuated Diver										4,000	740
Subtotal											740
PRODUCTION SUPPORT	N/A										
PRODUCTION ENGINEERING								1,472			749
PRODUCT IMPROVEMENT											250
NON STANDARD								250			
GAUGE REQUIREMENTS											S
Subtotal								1,722			1,004
TOTAL NAVY PYRO DEMO								9,200			3,601
5. AFSOC TRAINING MUNITIONS	٧										
A. 105mm CARTRIDGES							13,315			13,315	1,500
B. 25mm HEI CARTIDGES PGU 38A/U							68,231	1,923		156,494	4,732
C. 25mm CARTIDGES PGU 24							15,777	207			
D. FUZB M732							5,180	373		10,472	754
Subtotal								4,003			986'9
TOTAL AECOC TRAINING MINITIONS								4,003			6,986

Page 6 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis

P-1 SHOPPING LIST, ITEM NO. 59

	Procurement, Defensewide / Proc. Just. / 2	Proc. Just. / 2	SO LAND MET POTOCOCIONES SOF ORDNANCE REPLENISHMENT	VCE REPLEN	ISHMENT				C. DAIR:	MARCH 1996	200,200
	Ident.			FY 1995		An among an entire Course and the course	FY 1996			FY 1997	
Wespon System Cost Elements	Code		Unit Cost	MA	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QIV	Total Cost
6. AFSOC 25mm WRM	A										
A. 25mm Cartridges							93,588	4,773			
Subtotal								4,773			
TOTAL AFSOC 25MM WRM								4,773			
en in der											
redictive entranguament in the contract of the											
				The state of the s	e e e e e e e e e e e e e e e e e e e						
LINE ITEM TOTAL					11,341			43,612	2		24,379

P-1 SHOPPING LIST, ITEM NO. 59



Page 7 of 7 Pages EXHIBIT P-5, Weapon System Cost Analysis

B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEPENSEWINE / 2  SOF ORDIANACE REPLENISHMENT SOF ORDIANACE SOF ORD	BUDGET PROCUREMENT		HISTORY AND P	AND PLANNING				A.	. DATE:	March 1996	960
INE TEAM CONTRACTOR AND LOCATION AT TYPE BY DATE BY ANALD PRICE BY	APPROPRIATION PROCUREMENT, 1				C. P-1 II SOF C	TEM NOM	ENCLATURE E REPLENIS	HMENT			
The majority of items listed on the P-5 for this P-1 Line are purchased through the Single Managers for Conventional Ammunition (SMCA).  The information required on this form is not available at the unit level.	LINB ITEM/ FISCAL YBAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPBCS AVAIL NOW	SPEC REVIS REQ'D	IF YE WHEN AVAII
	The majority of items listed on the P-5 for this P-1 Line are purchased through the Single Managers for Conventional Ammunition (SMCA).  The information required on this form is not available at the unit level.										
							100				

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P-1 SHOPPING LIST, ITEM NO. 59

Page 1 of 1 Page EXHIBIT P-5A

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BUDGET ITEM JUSTIFICATION SHEET	USTIFICATION S	HEET		DATE	MARC	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM NG MARITIME	P-I ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS	MFICATIONS			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)		8.492	4.833	6.136	48.051	34.515	49.272

MISSION AND DESCRIPTION: Program provides for various Patrol Coastal (PC) and MK V Special Operations Craft (SOC) maritime modifications and consolidates them into a single line item, instead of having modifications funded with the end items.

handling, speed, and human factors. Funding supports Title K alterations for emergent ship alterations that require headquarters expertise 1. Patrol Coastal. Program provides for numerous modifications to the Cyclone Class PC ships. The modifications correct performance deficiencies identified through testing and/or operation. The upgrades improve situational awareness, self-defense capabilities, ship and/or headquarters centrally managed material.

FY 1997 PROGRAM JUSTIFICATION: Program procures material for 13 stern flap modifications and six installations; installation of hardware procured in prior years (active noise cancellation systems, bridge wing controls, and propellers); and continues command and control software modifications.

electronic surveillance) capabilities and are programmed in the Communications and Equipment Line Item. Night vision improvements will 2. MK V SOC. Program provides pre-planned product improvements to baseline (craft) capabilities in the areas of weapons, electronics, and night vision. Improved weapons/mounts will include GAU-17(7.62MM) mini-guns, MK38 (25MM) chain guns, and MK95 (twin .50 cal) mounts. Electronics improvements will include providing electronic countermeasures and support measures (electronic attack and center on a forward looking infrared capability.

					MARCH 1996		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NO MARITIME B	P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS	DIFICATIONS				
2. MK V Special Operations Craft (SOC) (Cont'd.)	nt'd.)						
FY 1997 PROGRAM JUSTIFICATION: Begins procurement of improved weapons/mounts (GAU-17 mini-guns, MK38 chain guns, and MK95 twin .50 cal mounts).	ins procurement of imp	proved weapor	ns/mounts ((	iAU-17 mini	-guns, MK38	s chain guns	, and
MC	MODIFICATION SUMMARY FOR MARITIME EQUIPMENT	FOR MARITIM	E EQUIPMEN	<u>Resct</u>			
DESCRIPTION	PY 95	FY 96	FY 97	FY 98	FY 99	FY 80	FY 01
i. PC Command and Control Software Upgrades		. 858	.338	.248	.123	.122	
2. PC Stern Flap Modification			12.	.052	.057		
3. PC Active Noise Cancellation		.869	190.	750.			
4. PC Bridge Wing Controls		300	.183	.052			
5. PC Threat Warning System (* Moved to SOF Intelligence Line Item beginning in FY 1997 (PRIVATEER))		S. E.	€	<b>6</b>			
6. PC Forward Looking Infrared Upgrade					666.6	2.770	.347
7. PC Propeller Upgrade		1.192	.212	.331			
8. MK V SOC Weapons	٠		3.607	3.798	.085		
				·			

Page 2 of 3 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET	ON SHEET		DATE		MARCH 1996		
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NO MARITIME E	P-1 ITEM NOMENCLATURE MARITIME EQUIPMENT MODIFICATIONS	? ODIFICATION				
Modification Summary (Cont'd)							
	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
9. Other Outyear Modifications							
A. MK V SOC Forward Looking Infrared				1.491	20.205		
B. PC Mission Dependent Modular Aft Deck					2.141	2.030	2.113
C. PC Surface-to-Surface Missile System					15.441	29.593	46.812
TOTAL		8.349	4.638	6.029	48.051	34.515	49.272
P-1 SHOPPING LIST, ITEM NO. 61					matilist ja mil en en simula structura planearen	Pag	Page 3 of 3 Pages

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.S) - Shinbuilding	A. Appropri	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	e/No.	B. Line Ren B MARITIME B	Jomencialu QUIPMEN	B. Line Item Nomenclaure Maritime equipment modifications	HONS		And Add deligence	C. DATE:	IB: MARCH 1996	
	Edent.				8661 A.J		The second second second second second	FY 1996			FY 1997	
Weapon System Cost Mements	Code			Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	ALL	Total Cost
A. Alterations/Material/Install (FC K ALIS)	MA								143			193
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						ACCURATION AND ACCURATION						
				A CONTRACTOR OF THE PARTY OF TH								
									0.046			0.636
Modifications								-	86.9			PCO's
TANTO TOTAL								+	8.492	2		4,833
THE TIPM FORM						****					-	

P-1 SHOPPING LIST, ITEM NO. 61

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Page 1 of 1 Page EXHIBIT P-5, Weapon System Cost Analysis



DATE: MARCH 1996

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MODIFICATION TITLE: PATROL COASTAL COMMAND AND CONTROL (C2) SOFTWARE UPGRADE MODELS OF SYSTEMS AFFECTED: Paind Coastal

DESCRIPTION/JUSTIFICATION:

The C2 software upgrades provide incremental modifications to the C2 system for the integration of upgraded subsystems to include PRIVATEER Threat Warning System, Joint Maritime Combat Information System (JMCIS, formerty known as Joint Operational Tactical System), and the RASCAR Collision Avoidance Radar Overlay.

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CDR 8/95 1st trial install: 1/96 1st Production Install: 1/96.	1st Production Instal	I: 1/96.																	
FINANCIAL PLAN: (\$ in millions)		PY.	<u> </u>	FY95	FY96	9	FY97		FY98	<b>P4</b>	FY99	FY00	0	FY01		TC		TOTAL	_
	Š	*	È	*	8	••	æ	8	<b>\$</b>	Ē	•	È	•	ê	s	£	0	t)	
RDT&B				0.1															
PROCUREMENT																			
Self Diagnostic Test Sets							4	ι.										4	

Throng Tables (19)	
JANCIS MUSEUM (A3)	7 .2 6 .1 13
Installation of Hardware	
PYs	
FY95	
PY96 V-1/V2 Install	9 9 49
FY97 V-3 Install	
FY98	
FY99	
FY00	
FY01	
To Complete	
Total Installation Cost	9 9 9

Modification funded in SOF Intelligence Systems P-1.
 Total Procurement Cost

METHOD OF IMPLEMENTATION:

CONTRACT DATE: DELIVERY DATE: P-1 SHOPPING LIST, ITEM NO. 61

GOVT/CONTRACTOR ALTERATION INSTALLATION TEAM. ADMINISTRATIVE LEADTIME: 1 MONTH.

Current Year: 1/96 Budget Y.

Current Year: 1/96 Current Year: 2/96

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6.0

Budget Year 1: 3/97

Budget Year 2: NIA Budget Year 2: NIA

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Page 1 of 3 EXHIBIT P-3A

1.2

PRODUCTION LEADTIME: 2 MONTHS

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL COMMAND AND CONTROL (C2) SOFTWARE UPGRADE INSTALLATION SCHEDULE: FY 1997

QUARTERS			FY 1995	98			- Carrel	FY 1996	96	
INPUF	gerd	2		60	명	quest	2	2	60	4
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FY 96									9	
FY 97										1
PY 98										
FY 99					***************************************			1		
FY 2000										
FY 2001										
QUARTERS			FY 1995	995				FY 1996	966	
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1997	6				
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Page 2 of 3 Exhibit P-3A



P-1 SHOPPING LIST, ITEM NO. 61

FY 2000 FY 2001

FY 98

FY 95 FY 96 FY 97

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UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL COMMAND AND CONTROL (C2) SOFTWARE UPGRADE INSTALLATION SCHEDULE:

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FY 2001	e									FY 2001	3								
FY	2									FY	2								
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FY 2000	e									FY 2000	3								
FY.	2									FY	2								
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	4										4								
FY 1999	6									FY 1999	3								
FY	2									FY	2								
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FY 1998	2									FY 1998	2								
	1										1								
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QUARTERS	101							8	01	QUARTERS	FOI							8	01
QUAL	Z	M	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001	QUA		PY	FY 95	FY 96	FY 97	FY 98	FY 99	FY 2000	FY 2001
		_	_									-							

P-1 SHOPPING LIST, ITEM NO. 61

Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PATROL COASTAL STERN FLAP MODIFICATION

MODELS OF SYSTEMS AFFECTED: Parel Constal

DESCRIPTION/JUSTIFICATION:

The NDI design Patrol Coastal ship had a minimal margin for growth in weight/displacement. Maintaining the required 35 knot speed is essential for accomplishing the coastal patrol and interdiction mission and self defense. Stern flaps will improve the ship's analysis are required speed at the current displacement. The installation must be accomplished in dry dock, so installations coincide with scheduled dry dock evallabilities. PC-13 was delivered with this modification installed. PC-14 stern flap will be installed during ship construction.

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Page 1 of 3 EXHIBIT P-3A 9.4 0.1 TOTAL PRODUCTION LEADTIME: 1 MONTH. 23 B 660 TC 8 40 FYOI 8 Budget Year 2: 3/98 Budget Year 2: 2/98 FY00 É ADMINISTRATIVE LEADTIME: 1 MONTH 0.3 0.1 0 66 Aud 8 9.6 0.1 0.3 FY98 B Budget Year 1: 2/97 Budget Year 1: 3/97 0.5 0.3 ... ... 0.1 LASS. 23 E 95.J.J 8 86 A.H B Current Year: N/A Current Year: N/A 0.1 PYe DEPOT 1st ortal install: 9/95 1st Production Install: 6/97. 8 P-1 SHOPPING LIST, ITEM NO. 61 METHOD OF IMPLEMENTATION: Total Procurement Cost FINANCIAL PLAN: (S in millions) installation of Hardware To Complete
Total Installation Cost Alteration/Engineering Equipment & Material CONTRACT DATE: DELIVERY DATE: FY95 FY96 FY98 FY99 FY00 L6A.d PYOI PROCUREMENT RDT&B

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## MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL STERN FLAP MODIFICATION INSTALLATION SCHEDULE:

QUARTERS				FY	FY 1995		
INPUT			1	2	3	4	
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96 AJ							
FY 97							
FY 98							beging a second
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1996	3				
FY 1996	2			П	
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FY 1996	3					
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FY 1996	3			
FY	2			

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966	3				
FY 1996	2				
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FY 1995

QUARTERS

FY 95 PY 96

	4	2	
166	3	2	
FY 1997	2		
	-		

P-1 SHOPPING LIST, ITEM NO. 61

FY 2000 FY 2001

FY 99

FY 98 FY 97

Page 2 of 3 Exhibit P-3A

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

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MODIFICATION TITLE: PATROL COASTAL STERN FLAP MODIFICATION

INSTALLATION SCHEDULE:

QUARTERS		FW	FY 1998		10001	6	-			M	FY 2000			-	20	_		(	To
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FY 95								Ĭ						1	1	1			
96 A.J													J	+		+			
FY 97		2	4				2	_					1			1			
FY 98													1	1	+	+			
PY 99														$\dashv$			1		6
FY 2000																+			
FY 2001																			
QUARTERS		FY	FY 1998			FY 1999	66			FY	FY 2000				FY 2001	<u>=</u>		2	
OUTPUT	ç=4	8	<b>е</b>	8	<del></del>	2	69	*		2	6	4		_	2	6	4	COMP	
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FY 95	***************************************																		
PY 96																			
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FY 98													I						
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FY 2000											4					1			
FW 2001						Giropoles (Constitution of the Constitution of			ten des	division in	green)			May.		mojor	recur		

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P-1 SHOPPING LIST, ITBM NO. 61



Page 3 of 3 Exhibit P-3A

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PATROL COASTAL ACTIVE NOISE CANCELLATION

MODBLS OF SYSTEMS AFFECTED: Patrol Coastal

DESCRIPTION/JUSTIFICATION:

Excessive airborne noise in the berthing compartments is a sea trial deficiency for this ship class which requires correction. The installation of active noise cancellation (ANC) systems in the berthing areas complements the propeller upgrade to resolve the excessive noise problem and improve human factors. The first shipset was procured as a prototype and installed with RDT&B funds. PC-14 ANC will be installed during ship construction.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: 1st trial install: 8/95; 1st Production Install: 2/97.	OPMENT MILESTONES: saeli: 2/97.									
FINANCIAL PLAN: (\$ in millions)	PYe FY95	FY96	FY97	FY98	FY99	FY00	FY01	TC	TOTAL	¥.
	400 \$ 400 \$ 400	*	s AS	\$	S AS	s E	\$	S A	Ê	•
RDT&B	0.2 0.5									0.7
PROCUREMENT										
Alteration/Engineering										
Equipment & Material		12 0.9							12	6.0
										T
							M-9-44			
Installation of Hardware										ſ
PYs										Ī
FY95			١	١					3	6
FY96			0.1	0.1					71	0.2
FY97										
PY98										
FY99										
FY60										
FY01										
To Complete										7
Total Installation Cost			9	9					71	0.7
Total Procurement Cost		0.0	0.1	0.1						1.1
METHOD OF IMPLEMENTATION:	ALTERATION INSTALL TEAM		ADMIN	ADMINISTRATIVE LEADTIME: 9 MONTHS	TIMB: 9 N	ONTHS	PRODUCTION LEADTIME: 6 MONTHS	LEADTIME:	6 MONTHS	
CONTRACT DATE:	Current Year: 3/96		Budget Year 1: 2/97	16/7		Budget Year 2: 2/98	: 2/98			
DRLIVERY DATE:	Current Year: 2/97		Budget Year 1: 2/97	16/7		Budget Year 2: 2/98	2/98			
P-1 SHOPPING LIST, ITEM NO. 61									PA THAM	Page 1 of 3
									DAIL	WC- 3 110

## MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL ACTIVE NOISE CANCELLATION INSTALLATION SCHEDULE:

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FW	2	September 1				
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FY 1996	60	Santa remed (			
FY	2				
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1996	6				
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FY 1997

FY 1995

QUARTERS

FY 95 FY 96 FY 97

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FY 1	2		
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Page 2 of 3 Exhibit P-3A

P-1 SHOPPING LIST, ITEM NO. 61

FY 2001

FY 2000 PW 99 FY 98



MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

MODIFICATION TITLE: PATROL COASTAL ACTIVE NOISE CANCELLATION

FY 2000 ~ 2 FY 1998 ~ INSTALLATION SCHEDULE: QUARTERS INPUT FY 2000 FY 2001 FY 99 FY 95 FY 96 FY 97 FY 98

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FY 2001	2				
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FY 96 FY 97 FY 98 FY 99

FY 95

FY 1999

FY 1998

QUARTERS

TO	СОМР				
	4				
2001	3				
FY.	2				

Page 3 of 3 Exhibit P-3A

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P-1 SHOPPING LIST, ITEM NO. 61

FY 2001

FY 2000

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: PATROL COASTAL BRIDGE WING CONTROLS

MODELS OF SYSTEMS AFFECTED: Pravel Control

DESCRIPTION/JUSTIFICATION:

DBVILOPMENT STATUS/MAJOR DBVILOPMENT MILESTONES:

Bridge wing controls are required to improve this handling/manuverability at the pier. Back this will have controls lantalied on both bridge wings.

in trial install: 11/96; 1st	let trial install: 11/96; let Production Install: 11/96.										
FINANCIAL PLAN: (\$ in millions)	eas)	re FY98	FV96	FW97	86A.4	FT 99	DAA.	IOAH	TC	TOTAL	
	ON.	s Ony s	Quy ss	S AND	Ory &	Quy &	8 AD	Quy 8	S A	S AND	
RDT&E											
PROCUREMENT											
Alteration/Engineering											
Equipment			13 0.3		Charles of the Control of the Contro			Stromes and St		13	0.3
					September 2 Septem						
			100								
Installation of Hardware											
PYs											-
FY95											1
FY96				6 0.2	7 0.1					13	63
[FY97]											
FY98											
FY99					Maday and a second seco						
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FY01		The state of the s				***************************************		mber 9 de la la general de médica de la companya d		e, medical dans en expediencience debby but med	- Control
To Complete					on the standard and the standard the			The second secon		The second distribution of the second	
Total Installation Cost				6 0.2	7					<b>2</b>	e.
Total Procurement Cost			0.3		0.5						0.6
METHOD OF IMPLEMENTATION:		ALTERATION INSTALL THAM	ı	ADMIR	ADMINISTRATIVE LEADTIME: 6 MONTHS	DTIME 6 MO	тнз		PRODUCTION LEADTIME: 3 MONTHS	3 MONTHS	
CONTRACT DATE:	Current	Current Year: 4/96		Budget Year 1:			Budget Year 2:				
DELIVERY DATE:	Current	Current Year: 1/97		Budget Year 1:			Budget Year 2:				
P-1 SHOPPING LIST, ITHM NO. 61	0.61									Pege 1 of 3 EXHIBIT P-3A	9

# MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL BRIDGE WING CONTROLS

INSTALLATION SCHEDULE:

QUARTERS		FY	FY 1995	
INPUT	ī	2	3	4
PY				
FY 95				
FY 96				
FY 97				
FY 98				
FY 99				
FY 2000				
FY 2001				
QUARTERS		F	FY 1995	
OUTPUT		2	3	4

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	4				
FY 1995	3				
FY	2				
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966	6					
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266	6	2	
FY 1997	2	2	
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FY 1995	3				
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FY 1996	2					
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P-1 SHOPPING LIST, ITEM NO. 61

FY 2000 FY 2001

FY 99 FY 98

FY 95 FY 96 FY 97 Page 2 of 3 Exhibit P-3A

UNCLASSIFIED
MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL BRIDGE WING CONTROLS INSTALLATION SCHEDULE:

QUARTERS		A	FY 1998				FY 1999			F.A.	FY 2000	1001200			FY 2001	101		£		TOT
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PY														-						
FY 95						,														
96 J	2	2	2	<b>—</b>									<u></u>							13
16 AH																				
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FY 2000																				
FY 2001																				
QUARTERS		FY	FY 1998			4	FY 1999			FY	FY 2000				FY 2001	301		01		ToT
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Ad																				
FY 95																				
96 A	8	2	2	T.																£3
FY 97														40, 40 h j						
FY 98		100 To 100																		
FY 99																				The state of the s
FY 2000													A							
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P-1 SHOPPING LIST, ITEM NO. 61



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DATE: MARCH 1996

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MODIFICATION TITLE: PATROL COASTAL PROPELLER UPGRADE MODELS OF SYSTEMS AFFECTED: Patrol Coastal

DESCRIPTION/JUSTIFICATION:

Replacement of existing propellers is required to reduce airborne noise in berthing compartments (a sea trial deficiency) and to meet full power absorbtion requirements at a higher full load displacement. A total of 78 propellers will be procured; There will be 13 shipsets (4 propellers each) procured and installed. The remaining propellers (26) will be procured as spares.

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1st trial install: 8/95; Ist Production Install: 6/96.	6/96.	PV95	PY96	<b>~</b>	FY97	FY98	FY99	FY 00	2	FY01	_	TC		TOT	TOTAL
FINANCIAL FLAN: (5 m minoris)	s Ab	\$	£	69	s s	S AV	*	Ê	•	A)	••	È	44	8	
RDT&B	1.0	0.1													1:1
PROCUREMENT															
Alteration/Engineering				0.1										•	-
			•	-											**

Alteration/Engineering	0.1
Propellers	1.1
Installation of Hardware	
PY8	
TV06	

PY8				T
FY95			e	8
FY96		5 .2 8 0.3		3
FY <i>97</i>				
FY98				T
FY99				T
FY00				
FY01				T
To Complete			13	100
Total Installation Cost		5 0.2 8 0.3		3
Total Promisement Cost		1.2 0.2 0.3		1.7
METHOD OF IMPLEMENTATION:	IMA	ADMINISTRATIVE LEADTIME: 9 MONTHS	PRODUCTION LEADTIME: 9 MONTHS	
CONTRACT DATE:	Current Year: 4/96	Budget Year 1: Budget Year 2:	car 2:	
DEI IVERY DATE:	Current Year: 1/98	Budget Year 1: Budget Year 2:	car 2:	

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Current Year: 1/98

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DELIVERY DATE:

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## MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: PATROL COASTAL PROPELLER UPGRADE INSTALLATION SCHEDULE:

QUARTERS INPUT FY 2000 PY 99 PY 96 86 Ad FY 95 FY 97 M

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QUARTERS

FY 95 PY 96 FY 97

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FY 2001

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P-1 SHOPPING LIST, ITEM NO. 61

FY 2000 FY 2001

66 Ad FY 98



MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

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FY 2001

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MODIFICATION TITLE: PATROL COASTAL PROPELLER UPGRADE

INSTALLATION SCHEDULE:

QUARTERS		F	FY 1998			FY	FY 1999					FY 2000
Jo	-	2	m	4		7	e .	4		R		2
FY 95										1		
FY 96	2	4		2								
FY 97												
FY 98												
FY 99												
FY 2000												
FY 2001												
QUARTERS		Ŧ	FY 1998			FY	FY 1999				-	FY 2000
OUTPUT	1	2	3	4	1	2	3	4	-			2
PY												
FY 95												
FY 96		9		2							-	
FY 97												
BV 08											1	

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000	6			2000	3		
FY 2	2			FY.	2		
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					2001	3			
					FY 2	2			
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FY 2000 FY 2001

FY 99

DATE: MARCH 1996

INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MK V SPECIAL OPERATIONS CRAFT (SOC) WEAPONS

MODELS OF SYSTEMS AFFECTED: MK V SOC

DESCRIPTION/JUSTIFICATION:

Upgrades the MK V vespons expebilities from the baseline craft. Back upgrade suite provides two GAU-17 (7.62MM mini-guas), one MK38 (25MM chain gua) weapons, and two MK95 (twin 12.7MM) mounts per craft. All issues are GFB requiring minor integration efforts.

# DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

Primary hardware and ancillary components will be procured ps	aponents will be procu	ed prim	arify via p	urchass	orders/mil	litery int	erdepartme	atel pur	hase requ	ects tipos	primarity via purchase ordero/military faierdepartmental purchase requests upon ovallability of funding.	y of free	fing.					
FINANCIAL FLAN: (\$ in millions)	PYO		6AM		FY96		LAAL		86 KJ		EA A	er.	HAG	<b>(2)</b>		O.L.	FAOI	FYOI
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RDT&B		0.3				0.2												
PROCUREMENT																		
Rainmeat				and and and			10 3.6 10 3.8	3.6	10	3.8		MOCESSICE CONTRACTOR						

0.5

TOTAL

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Installation of Hardware				
PYs				
FY95				
FY96				
FY97		10 0.1	10	0.1
FY98		10 0.1	01	0.1
FV99				
FY00				
FY01				
To Complete		-		
Total Installation Cost		10 0.1 10 0.1	30	6.3
Total Procurement Cost		3.6 9.9		7.6
METHOD OF IMPLEMENTATION:	ORGANIZATIONAL LEVEL	ADMINISTRATIVE LEADTIME: NIA	PRODUCTION LEADTIME: 12 MONTHS	

Budges Year 1: 1/97 Budget Year 1: 1/98

Current Year: Current Year:

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CONTRACT DATE: DELIVERY DATE: Page 1 of 3 EXHIBIT P-3A

Budget Year 2: 1/98 Budget Year 2: 1/99

## UNCLASSIFIED MODIFICATION OF WEAPON SYSTEMS

FY 1997

MODIFICATION TITLE: MK V SOC WEAPONS INSTALLATION SCHEDULE:

QUARTERS				FY 1995	995				FY 1996	96			
INFOI			quant)	2	3	4			2	3	4		quad
<b>&gt;</b> -													
FY 95												<u> </u>	
96 J								_					
L 6 J							<u> </u>	_					
86 J													
FY 99							<u></u>	_				d	
r 2000													
FY 2001												dan -	
,												8	
QUARTERS				FY 1995	995		<u> </u>		FY 1996	960			
OUTPUT			v-d	2	3	4			2	3	थ		-
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7 95							<u></u>	_					
FY 96								_				<del> </del>	
FY 97												A	
FY 98							<u>L</u>						
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FY 1997

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FY 2000 FY 2001

PY 99

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#### MODIFICATION OF WEAPON SYSTEMS UNCLASSIFIED

MODIFICATION TITLE: MK V SOC WEAPONS INSTALLATION SCHEDULE:

2         3         4         1         2         3         4         1         2         3         4           6         4         6         4         6         4         6         6         4         6         7	FY 1998	866			F	FY 1999			FY	FY 2000			[advol.	FY 2001	1	10
FY 1998         FY 2000         FY 2001           2 3 4         1 2 3 4         1 2 3 4	2	69	4	<b>C</b>	8	୯୩	8	<del></del>	8	<b>(</b> ግ	48		6004			COMP
FY 1998         FY 2000         FY 2001           2 3 4 1 2 3 4 1 2 3 4         1 2 3 4 1 2 3 4																
FY 1998         FY 2000         FY 2001           2 3 4         1 2 3 4         1 2 3 4												1	-			
FY 1998         FY 2000         FY 2001           2 3 4         1 2 3 4         1 2 3 4												<u> </u>				
6 4	10											<u> </u>				
PY 1999         FY 2000         FY 2001           4         1         2         3         4         1         2         3         4				8	4							<u> </u>				
4         FY 2000         FY 2001           4         1         2         3         4														_		
FY 1999         FY 2000         FY 2001           4         1         2         3         4         1         2         3         4												<u>I</u>	+			
FY 1999         FY 2000         FY 2001           4         1         2         3         4         1         2         3         4																
3 4 1 2 3 4 1 2 3 4	FV	866			FY	1999			M	2000				7Y 200		٥
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FY 95 FY 96 FY 97

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P-1 SHOPPING LIST, ITEM NO. 61

FY 2001 FY 2000

BUDGET ITI	BUDGET ITEM JUSTIFICATION SHEET	ON SHEET		DATE	MAI	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM SPARES	P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS	LE VTS			
		٠	٠				
	FY95	FY96	<b>76YA</b>	FY98	FY99	FY00	10X4
QUANTITY							
COST (In Millions \$)		32.867	36.134	35.091	25.392	8.747	8.235

MISSION AND DESCRIPTION: Consolidates all spares and repair parts funding into a single line item, rather than having the funding spread across several line items.

new aircraft and increases in the inventory of additional end items. Aircraft modification spares include new spare parts required during the 1. Aircraft Initial Spares. This program finances both initial weapon system and aircraft modification spares. Initial weapon system spares include new production spares, peculiar support equipment spares, and upgrades to existing spares required to support initial operations of initial operation of modified airborne systems.

FY 1997 PROGRAM JUSTIFICATION: Reimburses the stock fund for deliveries of initial spares.

2. MK 8 Mod 1 Seal Delivery Vehicle (SDV). Funds the procurement and installation of initial spare parts for engineering improvements to the MK 8 Mod 1 SDV Service Life Extension Program.

SDVs. This will include Global Positioning System, Obstacle Avoidance Sonar, Secure Communications, Mission Data Recorders, Direct FY 1997 PROGRAM JUSTIFICATION: Funds will be used to procure initial spare parts to support engineering improvements to four Current Propulsion Motor, and Pilot/Navigator Displays.

3. MK V Special Operations Craft (SOC). Funds the procurement and delivery of spares, repair parts and initial consumables that

P-1 SHOPPING LIST, ITEM NO. 62

Page 1 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET	ET	DATE	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SPARES AND REPAIR PARTS			
3. MK V Special Operations Craft (SOC). (Cont'd)				
constitute operational deployment packages and major (shore based) spares "kits"	hore based) spares "kits".			
FY 1997 PROGRAM JUSTIFICATION: Funds three d	leployment packages and four major (shore based) spares "kits"	r major (shore base	d) spares "kits".	

P-1 SHOPPING LIST, ITEM NO. 62

Page 2 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet

EXHIBIT (P.5) - Avision and Shipbuilding	A. Appr	A. Appropriation/Budget Activity intelNo. Procurement, Defensewide/Proc. Just./2	SPARES AND REPAIR PARTS	Nomenclature NERPAIR P.	ARTS				C. DATE:	TE: MARCH 1996	
	Ident.			FY 1995			PY 1996			FY 1997	
Weapon System Cost Elements	Code		Unit Cost	QUY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QIY	Total Cost
1. Aircraft Initial Sparce							VAR	25,074		VAR	20,296
Subtotal								25,074			20,296
2. MK 8 Mod 1 SDV											
A. Initial Spares	N/A						VAR	935		VAR	1,725
Subtortal								935			1,725
									•		
3. MK V Special Operations Craft											
A. Major (Shore Based) Spares (Kit)	٧					3,230.000	-	3,230	2,330.250	4	9,321
B. Deployment Package	N/A					1,814.000	2	3,628	1,597.333	3	4,792
Subtotal								6,858			14,113
	_										
							-				
LINB ITEM TOTAL								32,867			36,134

P-1 SHOPPING LIST, ITEM NO. 62

Page 1 of 1 Page EXHIBIT P-5, Weapon System Cost Analysis

BUDGET PI	BUDGET PROCUREMENT HIS	HISTORY AND F	AND PLANNING				A. DATE:	1	MARCH 1996	
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 III SPARI	TEM NOMI	C. P.I ITEM NOMENCLATURE SPARES AND REPAIR PARTS	S			
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD	DATE OF FIRST DEC.	QUANTITY	UNIT	SPBCS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. MK V Special Operations Craft									and the same of th	
A. Major (Shore Besed) Spares (Kit)							de pro-		and the second second	
FY 96	VARIOUS	C/FF	USSOCOM	OCT 95	30 NOV	•	3,230.000	YES	NO	~
L6 TH	VARIOUS	CAPP	USSOCOM	OCT 96	JUN 97	8	2,330.250	YES	NO	
B. Deployment Package				·						
96 AH	VARIOUS	C/FF	USSOCOM	OCT 95	30 NO	8	1,814.000	YES	NO	, T
FP 97	VARIOUS	C/FF	USSOCOM	0CT %	TON 97	80	1,597.933	YES	NO	
					and the second s					
D. REMARKS:										

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Page 1 of 1 Page EXHIBIT P-5A Procurement History and Planning



BUDGET IT	BUDGET ITEM JUSTIFICATION SHEET	ON SHEET		DATE	MAF	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM COMMUI	P-I ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	TENT & BLECTH	ONICS		
·	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	19.610	33.349	26.617	30.116	49.606	46.100	38.705

SOF mission mandates that SOF systems remain technologically superior to any threat to provide a maximum degree of survivability. SOF units require communications equipment that will improve their war fighting capability without degrading their mobility. Therefore, SOF MISSION AND DESCRIPTION: This program provides for communication systems to support Special Operations Forces (SOF). The Communications Equipment & Electronics is a continuing effort to procure lightweight and efficient SOF Command, Control, Communications, and Computer (C4) capabilities.

The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate systems to USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computer and Intelligence (C4I) systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I systems comprise an integrated network of full integration with the infosphere. The infosphere is a multitude of existing and projected national assets that will allow SOF elements to operate with any force combination in multiple environments. The C4I programs funded in this procurement line are grouped by the level systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational echelons. of organizational element they support: Operational Element (Team), Above Operational Element (Deployed) and Above Operational Element (Garrison).

BOISEL LEN LUSIFICATION STEET	SHEET	MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	TION / BUDGET ACTIVITY ENT, DEFENSEWIDE / 2 COMMUNICATIONS EQUIPMENT & ELECTRONICS	

# OPERATIONAL ELEMENT (TEAM)

- These radios will contain Line-of-Sight (LOS), Near Vertical Incident Skywave (NVIS) and Beyond Line-of-Sight (BLOS) voice, data and 1. HF Manpack Radios. The HF manpack radios will provide SOF with smaller lighter weight systems for long range communications. Low Probability of Intercept/Low Probability of Detection (LPI/LPD) communications capabilities, embedded COMSEC and Automatic Link Establishment (ALE).
- and 100 watts for vehicular) radio which replaces the aging PRC-104. It has an internal modem which provides automatic link establishment a. Improved Special Operations Forces HF Manpack Radio System (ISHMRS). ISHIMRS is a variable power (up to 20 watts for manpack (ALB) and embedded Communications Security (COMSEC) data capability. An adaptive capability allows optimal frequency management. Reduces rucksack load (weight and size) for the operator. Analysis is underway to determine if a single material solution will satisfy the ISHMRS and Special Mission Radio System (SMRS) requirements. Decision expected in 4Q PY1996.
- interlocking base stations. Analysis is underway to determine if a single material solution will satisfy the ISHMRS and SMRS requirements. b. Special Mission Radio System (SMRS). SMRS is a radio system that provides SOF a lightweight, LPI/LPD high frequency radio. Deployed in hostile and clandestine environments, the system consists of manpack radios, transit base stations and fixed worldwide Decision expected in 4Q PY 1996.

PY 1997 PROGRAM JUSTIFICATION: Procures 86 HF Manpack Radio Systems and three transit base stations.

2. Special Mission Radio System (SMRS) Upgrade. This program provides upgrades to fielded SMRS radios/base stations through P3I technology insertion. These upgrades include co-resident MIL-STD, non-standard automatic link establishment, and internal COMSEC

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Page 2 of 7 Pages EXHIBIT P-40 Budget Item Justification Sheet





BUDGET ITEM JUSTIFICATION SHEET	BET DATE	FB MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEPENSEWIDE / 2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	BLECTRONICS

2. Special Mission Radio System (SMRS) Upgrade. (Cont'd)

PY 1997 PROGRAM JUSTIFICATION: Upgrades 261 SMRS radios/base stations through P3I technology insertion.

- V125 radios. This funding upgrades PBR craft that primarily operate in South America. Current radios are limited in reliability and range. 3. Patrol Boat Riverine (PBR) C3 Upgrades. This upgrade replaces the URC-94 VHF/HF radio with NDI VRC-94 (B) V3 and RF 5000
- 4. NSW Tactical Radio Systems (TRS). Provides NSW maritime tactical communications system which provides radio control/interior communications and a drop-in communications package (DICP) capable of housing any combination of up to five HF, VHF, UHF, and SATCOM radios and associated crypto. Additionally, it includes a communications-capable helmet.

FY 1997 PROGRAM JUSTIFICATION: Procures and installs 14 additional TRSs.

band transceiver capability replacing the AN/PRC-77, AN/PRC-85, AN/PRC-113, HST-4, and LST-5B/C. MBMMR provides VHF-FM, VHF-AM, UHF-AM, and UHF-FM satellite communications in a single radio, reducing the number of team radios carried by each team. 5. Multiband/Multimission Radio (MBMMR). A joint SOF requirement, MBMMR provides a lightweight, secure, manpackable, multi-Current deployments require teams to carry a minimum of five radios capable of operating in seven frequency bands.

FY 1997 PROGRAM JUSTIFICATION: Procures 174 MBMMRs for AFSOC Special Tactics, NSW teams, and USASOC.

equipment designed to fulfill all aspects of the Operational Elements information management requirements. The system will be capable of 6. Digital Team Information Device (DTID). DTID will be a mixture of ruggedized and commercial standard computer and video

BUDGET ITEM JUSTIFICATION SHEET	IEET DATE MARCH 1996	966
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2  COMMUNICATIONS EQUIPMENT & ELECTRONICS	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	

6. Digital Team Information Device (DTID). (Cont'd.)

database files in digital form. It will interface with the team radio systems as well as commercial and tactical telephone networks to securely preparing, editing, storing, retrieving, transmitting, and receiving fixed or free formatted message traffic, word processor, graphics, and pass traffic seamlessly throughout the communications architecture.

FY 1997 PROGRAM JUSTIFICATION: Procures 293 DIIDS.

members, both external and internal to the aircraft, without the need for a physical hardwire connection between the crew member and the 7. Aircraft Wireless Intercom System (AWIS). AWIS allows reliable communications between Special Operations (SO) aircraft crew aircraft. AWIS is self-contained, portable, lightweight, and is easily interchangeable between the various SO aircraft.

# ABOVE OPERATIONAL ELEMENT (DEPLOYED)

wideband transmission system to support the data requirements of other programs such as the SOF Intelligence Vehicle, Man-Transportable provide significantly increased information transfer capability to deployed Special Operations Forces (SOF). It will field an integrated and balanced suite of communications systems designed to support the high capacity, digital, secure, interoperable transmission and switching requirements of emerging SOF command, control, communications, computer, and intelligence programs. SOFTACS will provide the 8. SOF Tactical Assured Connectivity Systems (SOFTACS). This line was formerly TACTICAL C41. The SOFTACS program will SOCRATES

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Page 4 of 7 Pages EXHIBIT P-40 Budget Item Justification Sheet



APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2 COMMUNICATIONS EQUIPMENT & ELECTRONICS	BUDGET ITEM JUSTIFICATION SHEET	BT DATE	MARCH 1996
	APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRON	ICS

8. SOF Tactical Assured Connectivity Systems (SOFTACS). (Cont'd)

FY 1997 PROGRAM JUSTIFICATION: Procures voice switches and tri-band SHF SATCOM terminals required for the high volume of information for deployed SOF C3I nodes.

- 9. Joint Base Station (JBS). JBS consolidates three former programs: Naval Special Warfare (NSW) Task Unit Van (TUV), Special Forces (LOS) and beyond LOS radios, and associated message handling and switching equipment, providing command and control voice, imagery, long-range communications among SOF component commands while allowing for differences in missions. JBS will contain line-of-sight Base Station, and Special Operations Communications Package into one joint program. JBS will provide SOF with continuous, reliable, data, and facsimile. JBS can be transported aboard C-130 aircraft.
- contained, diesel powered, air-transportable communications shelter which enables NSW task units to rapidly relay and receive tactical and (a) Joint Base Station Core System (JBS). Formerly NSW TUV. This system consists of a small, lightweight, on/off road, selfintelligence information from infiltrated elements to higher authority. Communication-electronics will be modularized, allowing for rapid installation and/or removal of individual equipment or the entire suite in support in support of mission specific scenarios.
- (b) Joint Base Station Variant 1 (JBS V1). Formerly Special Forces Base Station. A small, transportable, high data rate, base station that is C-130 drive on/off capable. This is the initial procurement of production hardware for this system.

FY 1997 PROGRAM JUSTIFICATION: Procures three production JBS V1s in support of Army SOF.

communications suites for AFSOC operations. JBS V2 will be small enough (48"X50"X48") to be transportable in the back of a vehicle (c) Joint Base Station Variant 2 (JBS V2). Formerly Special Operations Communications Package. Provides palletizable

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	DATE	MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT & ELECTRONICS	RONICS

9. Joint Base Station (JBS). (Cont'd)

or loaded onto a 463L aircraft pallet. This package replaces the Special Communications Integrated Package which has become logistically unsupportable. JBS V2 will provide a lightweight, highly transportable communications suite fielded by the Special Operations Communications Flights.

FY 1997 PROGRAM JUSTIFICATION: Procures two production JBS V2s in support of Air Force SOF.

10. Theater Special Operation Commands (SOC). Theater SOC Contingency Communication Support provides for an organic, initial, rapid response and sustained contingency communication support package. This capability is required to support the deployed SOC element prior communications systems that can be supported with their present manpower capability. These systems will also allow the SOC to comply to the establishment of and transition to a Joint Special Operations Task Force (JSOTF). The goal is to provide the SOC with with the SOF architecture by buying systems that will interface with the other assets of the infosphere.

# ABOVE OPERATIONAL ELEMENT (GARRISON)

system supported by a communication network to improve and facilitate the command and control, readiness and management of its mission responsibilities. ASOCNET will provide Command and Control (C2) through the interchange of information among commanders and staff interchange of both classified and unclassified information designed to enhance operations readiness, system reliability, maintainability and personnel. ASOCNET is a series of local area networks under the direction of a Command Automation Center (CAC), capable of B-Mail processing and entry to the Defense Data Network with the ability to access other government systems. The CAC is located at Pt. Bragg 11. Army Special Operations Command Network (ASOCNET). U.S. Army Special Operations Command requires an automated C2 with connectivity to other SOF CONUS locations. This system will significantly improve operations capability through the necessary

P-1 SHOPPING LIST, ITEM NO. 63

Page 6 of 7 Pages EXHIBIT P-40 Budget Item Justification Sheet





BUDGET ITEM JUSTIFICATION SHEET		DATE
		MARCH 1996
APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
PROCUREMENT, DEFENSEWIDE / 2	COMMUNICATIONS EQUIPMENT & ELECTRONICS	& BLECTRONICS

11. Army Special Operations Command Network (ASOCNET). (Cont'd)

security.

FY 1997 PROGRAM JUSTIFICATION: Procures necessary hardware and software to populate the LAN/WAN Metropolitan system.

- standards and has been selected as a corporate information management migration system. The capabilities include office automation, secure AFSOC LAN. The program consists of 39 nodes and is expanding. The USSOCOM LAN/WAN provides the multi-level secure C4 AIS infrastructure for world-wide information flow between the headquarters, components, and SOCs. The AIS is in compliance with DOD 12. SOP C4 Automated Information System (AIS). This program consolidates and provides upgrades for HQ USSOCOM, NSW, and dial-in, e-mail, wordprocessing, database, graphics, desktop publishing, project management, and automated message handling.
- control, communications, and intelligence (C31) information among HQ USSOCOM, its components and their major subordinate units, and selected government agencies and activities directly associated with the SOF community. Garrison C3I extends SCAMPI into the garrison 13. SCAMPI. This program provides a robust, seamless, automated communications network that enables dissemination of command, locations of OCONUS forward deployed theater SOP elements, and the field/remote locations of deployed SOP via SCAMPI tactical gateways. The program consists of 39 nodes and is expanding.

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P.S) - Other Procurement	A. Appropriati	A. Appropriation/Budget Activity Title/No. Procurement, Defensevide/Prec. Just./2		Nomenclate ATTONS 1	JIPMENT	& M. BCTRONICS	S		C. DATE:	TE: MARCH 1996	
	Ident.			FY 1995			FY 1996			FY 1997	
Weapon System Cost Rements	Code		Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
1. HF MANPACK RADIOS	A										
A. Production Support (ISHMRS)					80						
B. Manpack Redio Hardware (SMRS)			25.016	123	3,077	25.146	137	3,445	26.430	986	2,273
C. Transit Base Station Hardware (SMRS)			120.000	9	720	124.000	10	1,240	129.667	80	389
Subtoini					3,847			4,685			2,662
2. SMRS Unerede	8										
A. Hardware						8.523	262	2,233	5.805	261	1,515
Subtotal								2,233			1,515
3. PBR C3 UPGRADE	A										The state of the s
A. Hardware			68.000	2	130						
b. Production Support					26						
Subtotal					156						
4. NSW Tactical Radio System	A										
A. Hardware			45.357	14	635	49.960	25	1,249	52.357	14	733
Subtotal					635			1,249			733
S. MBMMR	A .										
A. Hardware							VAR	208	25.598	174	4,454
Subtotal								208			8,454
6. Digital Team Information Device (DIID)	A				100						
A. Hardware									1.447	293	424
Subtotal											424
7. Aircraft Wireless Intercom System (AWIS)	¥										
A. Hardware						25.565	138	3,528			
Subtotal		CM TO				-		3,528			

P-1 SHOPPING LIST, ITEM NO. 63

UNCLASSIFIED

Page 1 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis

WEAPON SYSTEM COST ANALYSIS	A. Appropriation/Budget		Activity Title/No.	B. Line Iten	B. Line Item Nomenclature			i i		C. DATE:		
EXHIBIT (P-5) - Other Procurement	Procurement, Defensewide/Proc. Just./2	Defensewide	Proc. Just./2	COMMUNI	COMMUNICATIONS EQUIPMENT	JIPMENT	& HI ECTRONICS	S		MARC	MARCH 1996	
	Ident.				FY 1995			FY 1996			FY 1997	
8. SOFTACS	A											
A. Hardware					VAR	3,481		VAR	11,589		VAR	7,431
Subtotal						3,481			11,589			7,431
9. JOINT BASE STATION	٧											
B. Variant 1 Hardware							2,641.000	2	5,282	2,506.333	8	7,519
C. Variant 2 Hardware							590.500	2	1,181	583.000	2	1,166
Subtotal									6,463			8,685
10 THRATTER SOCS	ΑN											
A Hardware					VAR	2.031		VAR	343			
Subtotal						2,031			343			
11. ARMY SOC NETWORK (ASOCNET)	4											
A. Hardware					VAR	3,285		VAR	1,630		VAR	713
Subtotal						3,285			1,630			713
12. SOF C4 AIS	N/A											
A. Hardware					VAR	1,287		VAR	558			
Subtotal						1,287			828			
14 SCAND	Y.X											
A. Hardware					VAR	4,888		VAR	863			
Subtotal						4,888			863			
LINE ITEM TOTAL						19,610			33,349			26,617

P-1 SHOPPING LIST, ITEM NO. 63

Page 2 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis

BUDGET PR	BUDGET PROCUREMENT HIS	HISTORY AND	AND PLANNING				æ	DATE:	March 1996	36
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 IT COMIN	P-1 ITEM NOMENCI COMMUNICATIONS	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT	4	ELECTRONICS	NICS	aza pan deli deli deli deli deli deli deli deli
Line Item/ Fiscal Year	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL,
1. HF MANPACE RADIOS										
B. MANPACK RADIO HARDWARE (SMRS)										
FW 95	CLASSIFIED	SS/FF	NSMA	MAR 96	JUL 96	123	25.016	er, my two		ngy per her may
FF 96	CLASSIFIED	OPTION	NSMA	AUG 96	DEC 96	137	25.146	YES	NO	
FY 97	CLASSIFIED	NOTHO	NSMA	DEC 96	MAY 97	98	26.430	YES	NO	
C. TRANSIT BASE STATION HARDWARE (SMRS)										- 100 <b>(</b> 0)
FY 95	CLASSIFIED	SS/FP	NSMA	MAR 96	JUL 96	8	120.000	-		
FY 96	CLASSIFIED	NOLLO	NSMA	AUG 96	DEC 96	10	124.000	YES	NO	Wang Lang Jang
FY 97	CLASSIFIED	NOTTO	NSMA	DEC 96	MAY 97	en	129.667	YES	NO	
2. SMRS Upgrade	and the second second							or allegan, c		
A. HARDWARB	egate amont							general and		
FY 96	Chasaifted	SS/FP	NSMA	AUG 96	MAR 97	262	8.523	NO		
FY 97	Classiffed	NOTTO	NSMA	MAR 97	AUG 97	261	5.805	NO	شوسودد درشد	
3. PBR C3 UPGRADE	orizona de la composición della composición dell		e Sesson according				oodio saccine	******	- Jacobay 10	
A. HARDWARE								<del>Salaman Mary Sa</del>	o Saladara - 1	
FF 95	Harris Corp	C/OPTION	SPAWAR	JAN 98	JUL 95	2	65.000	-		v. Spanisticke
	Rochester, NY		, Demons					<del>S</del> agaran da sagaran d		
4. NSW TACTICAL RADIO SYSTEM	0		and of the							
A. HARDWARE				- Language No. 8 & Co.				· ·		
FF 95	VARIOUS	2	NAWC-AD	MAY 96	NOV 96	*	45.357	YES	NO ON	
FT 96	VARIOUS	2	NAWC-AD	MAY 96	NOV 96	25	49.960	YES	NO	. Approximate

P-1 SHOPPING LIST, ITEM NO. 63

Page 1 of 2 Pages EXHIBIT P-5A Procurement History and Planning



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B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		THE PART OF THE PARTY OF THE PA	DATE PROPERTY OF THE PARTY OF T					DA LE	March 1996	96
				C. P-1 IT	TEM NOMI	P-1 ITEM NOMENCLATURE COMMUNICATIONS EQUIPMENT		LECTRO	NICS	
LINB ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
4. NSW TACTICAL RADIO SYSTEM (Cont'd)										
FY 97	VARIOUS	2	NAWC-AD	IAN 97	TUL 97	2	52.357	YES	NO	
S. MBMMR										
A. HARDWARB										
FY 97	UNKNOWN	C/FP	USSOCOM	IAN 97	rul 97	174	25.598	NO		
6. DTID			* G11 *							
A. HARDWARB						Qualqui man alla Ca				
FY 97	UNKNOWN	C/FP	UNKNOWN	JUN 97	MAR 98	293	1.447	ON		
7. AIRCRAFT WIRELESS INTERCOM SYSTEM (AWIS)										
A. HARDWARB										
FY 96	UNKNOWN	C/FP	USSOCOM	30 NOI	AUG 96	138	25.565	YES	NO	
8. JBS										
B. VARIANT 1 HARDWARB			operation of the second							
FY 96	UNKNOWN	C/CPFF	NAWC-AD	MAR 96	JUL 97	2	2,641.000			
FY 97	UNKNOWN	NOTTO	NAWC-AD	JAN 97	JAN 98	60	2,506.333	YES	NO	
C. VARIANT 2 HARDWARE			· · · · · · · · · · · · · · · · · · ·							
FY 96	UNKNOWN	C/CPFF	NAWC-AD	MAR 96	OCT 96	2	590.500			
FY 97	UNKNOWN	OPTION	NAWC-AD	JAN 97	NON 97	2	583.000	YES	NO	

P-1 SHOPPING LIST, ITEM NO. 63

Page 2 of 2 Pages EXHIBIT P-5A Procurement History and Planning

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Companies   Comp	FYBY	-	8	76	8							· · · · · · · · · · · · · · · · · · ·	manual re	acalaman)							Co-contributed in the Contributed in the Contribute									⋖		**************************************		36.			
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BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	MAI	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM SOF INTE	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	МS			
,	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							

Examples of systems procured are Joint Deployable Intelligence Support System-Special Operations Command, Research, Analysis and Threat Evaluation System, SOF Intelligence Vehicle, Multi-mission Advanced Tactical Terminal (MATT), SILENT SHIELD, Integrated procurement program. This program provides for various intelligence systems and equipment supporting SOF intelligence requirements. MISSION AND DESCRIPTION: This budget line includes all Special Operations Forces (SOF) intelligence requirements under one Survey Program, and PRIVATEER. Provides equipment for the Theater Special Operations Commands.

59.956

33.075

45.377

19.833

25.731

23.488

COST (In Millions \$)

echelons. The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate network of systems providing positive command and control and the timely exchange of intelligence and threat warning to all organizational systems to full integration with the infosphere. The infosphere will allow SOP elements to operate with any force combination in multiple systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I systems comprise an integrated USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C41) environments. The C4I programs funded in this procurement line are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed) and Above Operational Element (Garrison),

# OPERATIONAL ELEMENT (TEAM)

1. MATT. Program enables combat forces to directly receive near-real-time operational intelligence products and threat information to

P-1 SHOPPING LIST, ITEM NO. 64

Page 1 of 5 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET	BET DATE	MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	

1. Multi-mission Advanced Tactical Terminal (MATT). (Cont'd)

communications, and intelligence systems. Procurement and fielding of MATT will address the primary requirement for undetected support mission planning, updates, and execution. The program integrates MATT capabilities with platform command, control, infiltration and exit from operating areas and over the horizon radars. PY 1997 PROGRAM JUSTIFICATION: Procures aircraft modifications to accommodate MATT on the MH-531 Pave Low helicopter and Integrated Broadcast Service Receivers; also funds engineering change proposals. 2. SILENT SHIELD. The Program is part of an evolutionary Joint Threat Warning System (JTWS) migration being developed to support Special Operations Forces (SOF)-wide operations. System development emphasizes a rapid prototyping effort to develop, test, and field systems that provide direct threat warning and enhanced situational awareness data to SOF aircrews at the Collateral SECRET level.

FY 1997 PROGRAM JUSTIFICATION: Procures five systems.

3. Integrated Survey Program (ISP). Program procures commercial/government off-the-shelf equipment for a total of 11 suites of standard survey equipment. Packages will be fielded to each theater and special survey team. Standard equipment will consist of laptop computers with software to assist in data collection, digital filmless cameras, 8mm video cameras, global positioning system receivers, and laser

FY 1997 PROGRAM JUSTIFICATION: Provides for subsystem upgrades.

P-1 SHOPPING LIST, ITEM NO. 64

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EXHIBIT P-40 Budget Item Justification Sheet

Page 2 of 5 Pages





BUDGET IT! APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2
---

4. PRIVATEER. PRIVATEER is part of an evolutionary Joint Threat Warning System (JTWS) migration and acquisition program. It is a signals of interest and provides access to data from the Multi-mission Advanced Tactical Terminal (MATT) and Man-Transportable Special hardware with government furnished equipment integration maximizing commercial and government off-the-shelf software. Architecture is organic, near-real-time tactical information to the supported commanding officer and SEAL team leader. System developed based on NDI warning. System configuration provides the equipment necessary to monitor and provide direction finding on radar and communications Operations Command Research, Analysis, and Threat Evaluation System (SOCRATES). PRIVATEER will be receive only and provide permanent shipboard installation that provides a full-spectrum passive electronic warfare capability for communications and radar early Joint Deployable Intelligence Support System (JDISS)/Joint Maritime Communications and Intelligence Support System compliant with

# ABOVE OPERATIONAL ELEMENT (DEPLOYED)

command post shelter to house computer servers, mass storage devices, and communications equipment, and a tent extension for the remote 5. Special Operations Forces Intelligence Vehicle (SOF IV). The SOF IV is a deployable, automated, multi-source intelligence processing operation of analyst workstations. It incorporates DOD Intelligence Information System and JDISS standards and products in accordance manipulation of near-real-time intelligence data in order to produce highly tailored, accurate and timely intelligence products to support permitting automated interface to all theater-level intelligence data handling systems. SOF IV provides for the receipt, processing, and and dissemination system. The SOP IV extends the JDISS-SOCRATES architecture to the Joint Special Operations Task Force level deployed SOF. The system employs a high mobility multi-purpose wheeled vehicle configured with a rigid wall, standard integrated

P-1 SHOPPING LIST, ITEM NO. 64

Page 3 of 5 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET ITEM JUSTIFICATION SHEET		DATE
		MARCH 1996
APPROPRIATION / BUDGET ACTIVITY		
PROCUREMENT, DEFENSEWIDE / 2	SOF INTELLIGENCE SYSTEMS	

Command Intelligence Architecture Plans. Intelligence capabilities are annually assessed and acquisition strategies adjusted to accommodate SOCLANT, SOCCENT, and SOC-K are supported and provided with intelligence processing and dissemination systems consistent with 6. Theater Special Operations Commands (SOCs). USSOCOM is responsible to ensure that SOCEUR, SOCSOUTH, SOCPAC, unique intelligence requirements within each Theater.

NOTE: Multi-mission Advanced Tactical Terminal and the Joint Deployable Intelligence Support System-Special Operations Command Research, Analysis and Threat Evaluation System (JDISS-SOCRATES) are also planned for this level.

# ABOVE OPERATIONAL ELEMENT (GARRISON)

processing, secure voice/video conferencing, news and message traffic, video mapping, soft copy imagery processing and secondary imagery imagery support to USSOCOM and components and extension to USSOCOM mission support units, Theater Special Operations Commands, and forward-deployed SOF. JDISS-SOCRATES is a UNIX-based, client server architecture which allows single workstation access to the SOF needs. JDISS-SOCRATES provides near-real-time intelligence to the SOF community. JDISS-SOCRATES capabilities include data 7. JDISS-SOCRATES Program. The JDISS-SOCRATES program provides a wide range of mission-directed automated intelligence and Worldwide Intelligence Communications System. Much of the data is acquired from national intelligence assets/databases and tailored to databases and provides secure, on-line services to remote sites via SCAMPI (a secure communications distribution system) and the Joint dissemination. This program ensures SOF interoperability and connectivity with Theater, Service, and national intelligence systems.

FY 1997 PROGRAM JUSTIFICATION: Continues procurement of equipment to establish a distributed JDISS-SOCRATES network architecture in compliance with the nationally directed client-server environment.

P-1 SHOPPING LIST, ITEM NO. 64

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Page 4 of 5 Pages

EXHIBIT P-40 Budget Item Justification Sheet



BUDGET ITEM JUSTIFICATION SHEET	CATION SHEBT		DATE		MARCH 1996	966	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM SOF INTER	P-1 ITEM NOMENCLATURE SOF INTELLIGENCE SYSTEMS	RE TEMS				
	MODIFICA	MODIFICATIONS SUMMARY	ARY				
DESCRIPTION	FY 95	FY 96	FY 97	FY 98	FY 99	FY 00	FY 01
Multi Mission Advanced Tactical Terminal (MATT) Modification to MH-53J	0.528	006.9	9.823	21.758	13.087	6.212	0.934
PRIVATEER (Patrol Coastal)		8.555		6.870	0.608		
TOTAL	0.528	15.455	9.823	28.628	13.695	6.212	0.934
	ø						
					,		

EXHIBIT P-40 Budget Item Justification Sheet

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-5) - Other Procurement	A. Appropriation/Budget Activit Procurement, Defensewide/Proc.	A. Appropriation/Budget Activity Title/No. Procurement, Defensewite/Proc. Just. ??	SOF INTELLIGENCE SYSTEMS	GHNCE ST	STEMS				C. DAIB:	MARCH 1996	
	Ideat.			FY 1995			FY 1996			FY 1997	The state of the s
Weapon System Cost Blements	Code		Unit Cost	YID	Total Cost	Unit Cost	OTY	Total Cost	Unit Cost	QTY	Total Cost
1. MATF											
A. Prine Mission Equipment (MAIT)	4								128.500	12	1,542
B. Prime Mission Equipment (BMATT)	A								159.000	3	318
C. Production Engineering	4				8,559			5,377			1,000
D. MH-53! Modification Costs (See P3a)	¥				528			006'9			9,823
Subtotal					6,087			12,277			12,683
2. SILENT SHIELD	∢										
A. Prime Mission Equipment									673.400	8	3,367
3. INTEGRATED SURVEY PROGRAM (ISP)	A										
A. System Upgrades							VAR	200		VAR	193
4. PRIVATEER	٧										
A. Prime Mission Equipment						1,711.000	જ	8,555			
S. SOF IV				*****							
A. Hardware	N/A			VAR	9,710						
B. Production Support	N/A				1,211						
Subtoni					10,921						
6. THEATER SOCS	N/A			VAR	510						
						:					
7. SOCRATES											
A. Integrated Workstations/Peripherals	N/A			VAR	2,982		VAR	1,159		VAR	456
B. MTS	N/A		33.533	18	803						
C. File Server/Network Upgrades	N/A			WAR	2,485		VAR	3,540		VAR	3,134
Subtotal					8,970			4,699			3,590
LINE ITEM TOTAL					23,488			25,731	-		19,833

P-1 SHOPPING LIST, ITEM NO. 64

UNCLASSIFIED

Page 1 of 1 Page EXHIBIT P-5, Weapon System Cost Analysis

UNCLASSIFIED

SOF INTELLIGENCE SYSTEMS	Truck in		
ILNE ITEM   TABLE			
N EQUIPMENT (MAIT)  Alied Signal OPTION USSOCOM OCT 96 OCT 97 12  Townson, MD  Townson, MD  Townson, MD  N EQUIPMENT  Townson, MD  Autometries SS/CPFP USSOCOM IAN 97 OCT 97 5  Baltimore, MD  SASS  C/FFP  DIA  OCT 96  OCT 97  2  2  2  2  2  2  2  2  2  2  2  2  2	SPECS UNIT AVAIL COST NOW	S SPEC REVIS REQ'D	IF YES, WHEN AVAIL
N BQUIPMENT (MAIT)  Allied Signal  OPTION  USSOCOM  OCT 96  OCT 97  12  Townon, MD  Townon, MD  Townon, MD  Townon, MD  Townon, MD  Townon, MD  Autometries  SS/CPFP  NISE B  MAR 96  SBP 96  SS  SASS  CFFP  DIA  OCT 97  12  12  13  14  15  15  15  15  15  15  15  15  15			
N EQUIPMENT (BMATT)  Allied Signal  OPTION  UNSSOCOM  OCT 96  OCT 97  12  Towson, MD  Tows			
N EQUIPMENT (BMATT) Allied Signal Townon, MD Townon, MD Townon, MD N EQUIPMENT UNKNOWN C/FFP USSOCOM IAN 97 OCT 97 S S Baltimore, MD S SASS C/FFP DIA OCT 94 MAX 95 IS	128.500 YES	NO	
N EQUIPMENT (BMATT)  Allied Signal  Towers, MD  SSICPFF  NISB-B  MAR 96  SEP 96  SB 8488  C/FFF  DIA  OCT 97  2  135			
N EQUIPMENT  UNKNOWN  C/FFP  USSOCOM  IAN 97  OCT 97  2  Towneon, MD  UNKNOWN  C/FFP  USSOCOM  IAN 97  OCT 97  S  Buttimore, MD  SS/CPFF  DIA  OCT 94  MAR 96  SBP 96  S  SASS  C/FFP  DIA  OCT 94  MAR 96  SBP 96  S  SS/CPFF  SASS  C/FFP  DIA  OCT 94  MAR 95  SBP 96  S  SS/CPFF  SASS  C/FFP  DIA  OCT 94  MAR 95  SBP 96  S  SS/CPFF  SASS  C/FFFP  DIA  OCT 94  MAR 95  SBP 96  S  SS/CPFF  SASS  C/FFFP  DIA  OCT 94  MAR 95  SBP 96  S  SS/CPFFP  SASS  C/FFFP  DIA  OCT 94  MAR 95  SBP 96  S  SS/CPFFP  SASS  C/FFFP  DIA  OCT 94  MAR 95  SBP 96  S  SBP 96  S  SBP 96  S  SBP 96  S  SBP 96  SBP		······································	
IN EQUEMENT  UNKNOWN  C/FFP  USSOCOM  IAN 97  OCT 97  S  Autometries  SS/CPFF  NISE-B  MAR 96  SEP 96  S  SASS  C/FFFP  DIA  OCT 94  MAX 95  IS	159,000 YES	NO	
UNKNOWN C/FFP USSOCOM IAN 97 OCT 97 S  Autometrios SS/CPFF NISB-B MAR 96 SFP 96 S  Baitimore, MD  Baitimore, MD  SASS  C/FFF DIA  OCT 94  MAY 95  15		W	
MB MISSION EQUPMENT  THERR  MB MISSION EQUIPMENT  Autometries  SS/CPFF  NISB-B  MAR 96  SEP 96  SASS  C/FFF  DIA  OCT 97  S  SEP 96  S  SBP 96  S  SS/CPFF  NISB-B  MAR 96  SEP 96  S  SS/CPFF  NAR 96  SEP 96  SS/CPFF  NAR 96  SEP 96  S		y 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	No. of the second second
THERE   THE   TH			
Autometries SS/CPFF NISE-B MAR 96 SEP 96 S Baltimore, MD Baltimore, MD SASS C/FFFP DIA OCT 94 MAY 95 15	673.400 YES	YES	OCT 96
MB MISSION EQUIPMENT  Autometries SS/CPFP NISB-B MAR 96 SEP 96 5  Baltimore, MD  ATES  SASS  C/FFPP DIA OCT 94 MAY 95  15			
Autometries SS/CPFF NISE-B MAR 96 SEP 96 5 Baltimore, MD ATES ATES ATES ATES ACT 94 MAY 95 15		gy, dans	
ATES ATES ATES AND SASS COPPE DIA OCT 94 MAX 95	1,711.000		
ATES SASS COPPE DIA OCT 94 MAY 95 15			
SASS C/FFF DIA OCT 94 MAY 95		,	-,
SASS C/FFP DIA OCT 94 MAY 95 15			
	33,533	gn	
Alexandria, VA			

P-1 SHOPPING LIST, ITEM NO. 64

Page 1 of 1 Pages EXHIBIT P-5A Procurement History and Planning

DATE: MARCH 1996

# INDIVIDUAL MODIFICATION

MODIFICATION TITLE: MULT-MISSION ADVANCED FACTICAL THRMINAL (MATT)

MODELS OF SYSTEMS AFFECTED: MH-531

DESCRIPTION/IUSTIFICATION:

This effort integrates the MATT onto the entiring Military-Standard 1553 data bus to provide electronic order of battle information to the crew. The integration also adds a digital map nystem and displays. The program modifies evidence, and display systems and replaces the projected map and data transfer systems. The system architecture is designed to allow the integration of other systems in the future, identified as a result of the Quies Knights study effort.

# DBVBLOPMENT STATUS/MAJOR DBVBLOPMENT MILBSTONES:

SOW: Jul 92; CCB: Blay 92; CMRB; Jul 92. (Alronn't Breakout: 0 ANG; 0 AFRES; 41 Active)

SOW: SWISE, COD. Day St. Charles, Swise, Charles Dicharder. Charles, of the relative of	, due ye. thancie	TE DICER	יסודים הייחים	N. T.	M's AR CECHE	60															
FINANCIAL FLAN: (\$ in millions)	Ad	DA.	FW98		FY96		FYS		86A.A		FY9	es.	MAGO	0	FYOI	-	TC	<b>F</b> )	TOTAL	AL	
	<b>A</b>	00	8	· 660	S AND	*	AND ON	୯୭	8	୯୬	Or Or	ঞ	8	ଌ	Or Or	৫৯	Out.	୧୬	\$	୧୭	
RDT&B		2.9																		2.9	
PROCUREMENT																					
Testellation Lite		Of the Park and the Park			the state of the state of		13	1 3	96	8 3	80	A R	NAME AND ADDRESS OF THE OWNER, TH						40	AA	

Installation Kits	30		12 1.3	16	1.7 10	\$.E		40	4.4
Installation Kit Nonrecurring	0.6								9.0
Equipment			5.9		7.8	6.0			19.7
Equipment Nonrecurring	4.5	2.4							6.9
Engineering Change Orders		4.2			1.2	0.4	1.9		7.7
Data	6.4				6.0		0.7		8.0
Support Equipment	1.0		2.3		0.5		6.0		4.7
Training Equipment	0.3				4.7				8.0
Interim Contractor Support	0	0.5 0.3	0.3		8.0	0.3			2.2
Installation of Hardware									
DVA		7 0				000 00 00 00 00 00 00 00 00 00 00 00 00		2	

12 4.2
28
8.9
ADMINISTRATIVB LEADTIME: 6 MONTHS
Budget Year 1: 1/26
Budget Year 1: 2/96

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P-1 SHOPPING LIST, ITBM NO. 64

Page 1 of 3 EXHIBIT P-3A



UNCLASSIFIED

# MODIFICATION OF WEAPON SYSTEMS

MODIFICATION TITLE: MH-53J MULTI-MISSION ADVANCED TACTICAL TERMINAL (MATT) INSTALLATION SCHEDULE:

				FY	FY 1995				FY
INPOT			-	2	3	4		-	2
PY									
FY 95							L		
FY 96							L		
FY 97							<u> </u>		
FY 98							<u> </u>		
FY 99							<u> </u>		
FY 2000							L		
FY 2001							L		

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FY 1996	೯೮	2				
FY	2					
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	2				

FY 1997

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766	3				
FY 1997	2				
	1				

QUARTERS	OUTPUT	<b>k</b> .	56 2	96 2	7 9 7	7 98	66 7	r 2000	

FY 95 FY 96

PY

FY 1995	3					
FY	2					
	1					
				- VIND 11		

	4	2				
966	3					
FY 1996	2					

Page 2 of 3 Exhibit P-3A

P-1 SHOPPING LIST, ITEM NO. 64

FY 2000 FY 2001

FY 98 FY 99

FY 97

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# MODIFICATION OF WEAPON SYSTEMS

P-1 SHOPPING LIST, ITEM NO. 64



Page 3 of 3 Exhibit P-3A

UNCLASSIFIED

THEM / MANUFACTURER)  REPROCUPER BALENT  1.A. MATT PRIME MISSION EQUPMENT (MATT)  FYOT  2.A. SILENT SHILD PRIME MISSION EQUPMENT  FYOT  1.B. MATT PRIME MISSION EQUPMENT  FYOT  1.CCT  1			007 007	J F WA	5	28 G	3	SF	86 Y		PAU FNDAR		
				ВЯ	A A	0 E 0 F 0 V	CEC NA. NE. NA.	•⊃z **≻ ••©	.⊐@ .⊐@	C O N C O E C O N	-4x	SCC SCC SCC SCC SCC SCC SCC SCC SCC SCC	<b>∞</b> π σ ∢ ⊢
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AND LOCATION MIN MAX RCHD BUST 1-8-5 D + D +		PHICH AFTER	BN-NG	AFTER.	A = CONTE	A = CONTRACT AWARD							
HWI I	INMA	VARIOUB		3									
P-1 SHOPPING LIST, TTEM NO.64	CHUEN BY BOLFOR		PACRE	PACE 1 OF 1 PACE	4							TOTAG	0

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BUDGET ITI	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	MAE	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEN SOF SM/	P-1 ITEM NOMENCLATURE SOF SMALL ARMS & SUPPORT EQUIPMENT	T EQUIPMENT			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01

Armor/Anti-Personnel Weapons System; Navy small arms and weapons and support equipment; M4A1 Carbine; M4A1 Special Operations teams. A variety of SOF small arms and weapons are procured through this budget line, including: SOF foreign weapons; Ranger Antigroups, special boat units, special warfare groups, special warfare units, SEAL teams, special boat squadrons and SEAL delivery vehicle Peculiar Modification (SOPMOD) Accessory Kits and support equipment; MK 23 MOD 0 SOF Offensive Handgun; SOF Laser Marker MISSION AND DESCRIPTION: Provides small arms and weapons in support of SOF. These forces include Rangers, special forces (SOFLAM); and Battle Dress System (BDS).

5.119

10.795

996.9

10.613

10.764

8.804

COST (In Millions \$)

OUANTITY

- training exercises. Provides minor equipment (special tools such as wrenches, handling gear, and waterproof specialty items); commercially available MK-186 MOD 0 remote firing kits; product improvements to the MK-31 MOD 0 standoff weapon; the Limpet Assembly Module 1. SOF Weapons Systems Ordnance and Equipment. Provides SEAL units a variety of items and engineering support for combat and (LAM) MK-5 and Practice Limpet Assembly Module (PLAM) MK-6; the MK-31 heavy weight torpedo for the MK-32 MOD 0 special warfare assemblage and its support equipment; MK-32 MOD I torpedoes; and ECPs for LAM MK-5 / PLAM MK-6.
- standoff weapons and sniper rifles. Also provides support equipment such as gun mounts, stands, and installation kits for boat backfit or spare parts and supplies for weapons maintenance; anti-material weapons for extended ranges; and sniper rifles needed for standoff point modification; purpose code replacement and/or follow-on procurement of unique weapons to maintain inventory; mobile repair vans for 2. SOF Weapons and Support Equipment. Provides a variety of support equipment, replacement weapons, mobile repair capability,

P-1 SHOPPING LIST, ITEM NO. 65

Page 1 of 3 Pages EXHIBIT P-40 Budget Item Justification Sheet

BUDGET THEM JUSTIFICATION SHEET	ON SHEET		
	MARCH 1996	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE		
PROCUREMENT, DEFENSEWIDE / 2	J-1010-1-20	ABNT	

2. SOF Weapons and Support Equipment. (Cont'd)

FY 1997 PROGRAM JUSTIFICATION: Procures 125 .50 caliber sniper rifle retrofit kits, 110 boat gun mounts and support equipment.

3. MK 23 MOD 0 SOF Offensive Handgun System. Program consists of a .45 caliber handgun, noise/flash suppressor, and laser aiming module. The system improves upon currently available handguns by providing increased reliability, accuracy, and offensive incapacitation

FY 1997 PROGRAM JUSTIFICATION: Procures 650 laser aiming modules, completing the production program.

including modification of existing weapons to accommodate items such as night vision devices and aiming modules. One such modification is the M4A1 Carbine Accessory Kit which gives the basic M4A1 Carbine various accessories to adapt it for missions across the operational spectrum. Provides for kits which consist of day scopes, night scopes, integrated scopes, active aiming laser module, grenade launchers, 4. SOF Weapons Mods and Support Equipment. Provides weapons and associated equipment with a variety of enhanced capabilities lightweight grips, and an interface system to allow integration of these items with the M4A1 Carbine. FY 1997 PROGRAM JUSTIFICATION: Procures 860 sets of M4A1 Carbine Accessory Kits and 1,779 M4A1 Carbines for Naval Special Warfare Command.

with a mission-adaptable load-bearing capability. BDS is needed to replace the current cold weather uniform; nuclear, biological, chemical, protection against weather extremes, ballistic threats, chemical and biological threats, and enemy detection. BDS also will provide the user protective suit; ballistic protection vest; rucksack; and load-bearing equipment. The integration of the functions served by these numerous 5. Battle Dress System (BDS). BDS is a multi-layer, head-to-toe protection, clothing, and load-bearing system which will provide

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EXHIBIT P-40 Budget Item Justification Sheet





BUDGET ITEM JUSTIFICATION SHEET	HEET DATE	MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE SOF SMALL ARMS & SUPPORT EQUIPMENT	J.A.

5. Battle Dress System. (Cont'd)

and cumbersome equipment articles will greatly reduce carry loads and improve user flexibility and endurance under varying conditions.

FY 1997 PROGRAM JUSTIFICATION: Procures 145 critically needed advanced body armor with integrated, load bearing equipment.

lightweight, manportable, laser target designator and rangefinder effective out to five kilometers. SOFLAM gives SOF a standoff capability 6. Special Operations Forces Laser Acquisition Marker (SOFLAM). SOFLAM provides Special Operations Forces (SOF) with a against strategic targets. SOFLAM replaces heavier, bulkier, and less reliable systems, such as the Compact Laser Designator.

harnesses, battery cases, carrying cases, and tripods. Funds acceptance testing of 145 SOFLAM units at the contractor's plant. Also funds program support to include maintenance of repair parts, stockage levels, integrated logistics support management, and program management FY 1997 PROGRAM JUSTIFICATION: Procures various components of the SOFLAM system to include cables, connectors, battery during delivery and fielding.

Missile Rd. and provides a 24-hour mission capability. The sight works passively in the same infrared spectrum as the seeker and allows the gunner to perform target acquisition and weapon firing during total darkness and under reduced visibility conditions such as fog, dust, 7. Stinger Thermal Sight (STS) Kit. The AN/PAS-18 (WASP) is a rugged, lightweight thermal imaging sight that mounts on the Stinger

WHAPON SYSTEM COST ANALYSIS EXHIBIT (P.5) - Other Procurement	A. Appr Procure	A. Appropriation/Budget Activity Tite/No. Procurement, Defenses/Me/Proc. Just./2	ė	OF SWALL	6. Les iver nomerchine sof small arms & su	B. Line Men Nomerchaufe SOF SWALL ARMS & SUPPORT EQUIPMENT	UIPMENT			C. DATE: MARCH 1996	MAKCH	0
	Ident.				FY 1995			FY 1996			FY 1997	
Weapen System Cost Elements	Code		5	Unit Cost	ALID	Total	Cost	YTØ	Total Cost	Unit	ALL OLL	Total
1. SOF WEAPONS SYSTEMS ORDINANCE & EQUIPMENT												
A. Minor SWS Equipment	A					13						
B. Remote Firing Device	¥			45.000	630	360						
C. Production Engineering	N/A					150						
D. Product Upgrades	MA					365						
E. LAM MK S ECP's	Ą					800						
Subtotal						1,388						di Totale de Canada de Can
2. SOF WEAPONS & SUPPORT EQUIP												
A. Support Equipment	«					321			150			\$2
B. M3 Carl Gustaf & Acc	A			13.833	8	830						
C. Purpose Code Weapons	4					63						
D300 Winnag Sniper Rifles	4											
E50Cal Sniper Rifles	∢						3.120	125	390	3.184	125	398
F. Mounts	A						1.818	110	200	1.873	011	206
G. Production Engineering	N/A								103			70
Subtotal						1,214			843			126
3. OFFENSIVE HANDGUN SYSTEM												
A. Offensive Handgum (All-Up Weapon)	¥			1.206	1,950	2,352	1.009	1,005	1,014			
B. Non-recurring Cost	N/A					2,409						
C. Production Engineering	N/A		_			124			292			137
D. Laser							0.716	703	503	0.768	650	499
B. Suppressor							0.575	1,350	776			
F. Magazines				670.	4290	124	0.029	23,300	919			
G. Holsters & Magazine Pouches							0.085	8.175	440			
H. Spare Parts								VAR	348			
Subtotal						8,009			4,049			989

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Page 1 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis

Weapon System Cost Elements 4, SOF WPNS MODS & SPT EQUIP	A. Appro	1-41-1 Mush	֡							•	-	A	
Weapon System Cost Elements 4. SOF WPNS MODS & SPT EQUIP	Procuren	A. Appropriation/Budget Activity litters Procurement, Defensewide/Proc. Just./2	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	ė.	B. Line item Nomenclature SOF SMALL ARMS & SU	Nomenchiu ARMS & S	B. Line Item Nomenchulus SOF SMALL ARMS & SUPPORT EQUIPMENT	<b>JUIPMENT</b>			C. DATE:	C. DAIB: MARCH 1996	8
Weapon System Cost Elements 4. SOF WPNS MODS & SPT EQUIP	Ident.					FY 1995			FY 1996			FY 1997	
4, sof wpns mods & spt equip	Code				Unit Cost	VTG	Total	Unit	QIY	Total	Cost	QTY	Total
A. M4 Carbine - Modified	٧							0.520	1,780	976	0.520	1,779	925
B. M203 Heat Shield	٧												
C. M4 Carbine for Grenade Launcher	٧												
D. Repair Kita	٧												
E. Production Support	N/A												
F. M4 Carbine SOFMOD Kits	٧				8.837	135	1,193	8.827	307	2,710	8.792	098	7,561
Subtotal							1,193			3,636			8,486
S. BATTLE DRESS SYSTEM													
A. Lightweight Cold Weather Equipment	۷							0.220	1,000	220			
B. Body Armor/LBB	<b>«</b>										1.993	145	289
Subtotal										220			289
6. SOFLAM													
A. Hardware	٧								VAR	1,362		VAR	367
B. Production Engineering Support	N/A									300			109
Subtotal										1,662			476
7. STS KIT													
A. Hardware	٧							19.667	128	354			
Subtotal										354			
S AND THE S							A 4			10 764			10.613
LINB IIEM 101AL				-			2000			*01104			CTOTOT

P-1 SHOPPING LIST, ITEM NO. 65

Page 2 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis

BUDG	BUDGET PROCUREMENT	HISTORY	AND PLANNING	PE				A. DATE:	March 1996	9
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	VITY 2		-	C. P-1 ITI SOP SI	P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND SUI	P-1 ITEM NOMENCLATURE SOP SMALL ARMS AND SUPPORT		EQUIPMENT		
LINB ITEM FISCAL, YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. SOF WPN SYSTEMS ORDNANCE/EQUIP										
A. REMOTE FIRING DEVICE										-
FY 95	NSWC Crane Div	MIPR	MAVSEA	96T 98	MAY 95	8	48.000			
2. SOF WEAPONS AND SUPPORT EQUIP			- resulting						money of T-E-Walley A-T-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-S-	and the second
B. M3 Carl Chural & Acc				No. And a destroyed					74 100 100 100	ar ann an dearth
56 AM	NSWC Crars Div	MPR	NSWCD Crass	AUG 95	AUG 96	99	13.833			
	Crene, IN									antide stated page, making
E50 Cal Sniper Rifles										
96 A.H	NSWC Crans Div	MIPR	NSWCD Crans	MAR 96	SEP 96	125	3.120			St was one
	Crane, IN									
FY 97	NSWC Crane Div	MIPR	NSWCD Crane	MAR 97	SEP 97	125	3.184	NO		ne garaja
	Crane, IN			in all survey and	· Calvare				200000000000000000000000000000000000000	
F. Mounts	and the second s									and a fine to the
96 Åd	NSWC Crease Div.	MIPR	NSWCD Crease	MAR 96	SEP 96	110	1.818			
	Crane, IN		To also we control of the control of			AITS \$1000				one upono la
FY 97	NSWC Crane Div.	MIPR	NSWCD Crass	MAR 97	SEP 97	110	1.873	YES	ON	
	Crane, IN	33 Santa 13 Santa Para						to see to make the	Wassan (1972)	
3. SOF OFFENSIVE HANDGUN SYSTEM		200								<u>ayahan dilikal</u>
A. Offensive Handgun (All-Up Weapon)										
86 KH	Heckler & Koch	SS/FP	NSWD Crans	30N 95	MAY 96	1,950	1.206			age Roman again
	Storling, VA			o and the base of the	·	Signer, motor co.		and A way or	dance on the	

P-1 SHOPPING LIST, ITEM NO. 65

Page 1 of 3 Pages EXHIBIT P-5A Procurement History and Planning



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B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2 LINE ITEM ROCAL YEAR ALE OPERANSINE HANDERING SYSTEM (Cont.)										
				C. P-1 ITI SOF SA	C. P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND SUI	P-1 ITEM NOMENCLATURE SOP SMALL ARMS AND SUPPORT EQUIPMENT	ORT EQUIP	MENT		
CONTRACTOR MANDETIN SVETEN (Comp.)	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPBC REVIS REQ'D	IF YES, WHEN AVAIL
OU CIFEMENT ARTERDOM STOLEM (COM W)										
FY 96	Heckler & Koch	NOTTO	NSWD Crane	FUL 96	DEC 96	1,005	1.009	YES	*	
78 ·	Sterling, VA									
D. Laser Aining Module										
FY 96	UNKNOWN	C/FP	NSWC Creme	30N 96	AUG 96	703	917.	NO		
FY 97	UNKNOWN	NOTTAO	NSWC Crane	JAN 97	MAR 97	059	.768	NO	O	
B. Suppressor										
FY 96 Kn	Knights Amement	SS/FP	NSWC Crane	JAN 96	APR 96	1,350	.575	ON		
20	Vero Beach, FL.						ge general seeman			
F. Magazinos							,		***************************************	
FY 95 He	Heckler & Koch	\$8/FP	NSWC Crane	MAY 95	MAY 96	4,290	0.029			
28	Sterling, VA									
FY 96	Heckler & Koch	NOTTO	NSWC Cruse	NOV 95	10N 97	23,300	620.	NO		
28	Sterling, VA									
G. Holsters & Magazine Pouches										
FY 96	Seferiland	C/FFF	NSWC Crane	FEB 96	MAY 96	5,175	0.085	NO	<u> </u>	
8	Ontario, CA								an to the	
									<b>4.0×1440 ****</b>	

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P-1 SHOPPING LIST, ITEM NO. 65

Page 2 of 3 Pages EXHIBIT P-5A Procurement History and Planning

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BUDG	BUDGET PROCUREMENT	HISTORY	AND PLANNING	P.S.D.				A. DATE:	March 1996	9
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	VITY			C. P-1 ITI SOP SI	P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND SUI	P-1 ITEM NOMENCLATURE SOF SMALL ARMS AND SUPPORT EQUIPMENT	ORT EQUIP	MENT		
LINB ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
4. Sop wens mods a spt bouip			·							
A. MA CARBINE - MODIFIED (MAAI)										Table 1
FY 96	Coft, Inc.	OFTION	U.S. Army	MAY 96	JUL 96	1,780	.520	YES	NO	
	Harford, CN			and plant the state of the					- Common Marketine	
LA Ad	Coff, Inc.	OFTION	U.S. Army	MAY 97	MAR 97	1,779	.520	YES	NO	
	Harrond, CN									
F. MA CARBINE SOFMOD KITS										Annual Control of the
FY 95	VARIOUS	C/FF	NSWC Crase	MAR 95	SEE 95	80	8.837			wings some street
96 Ad	VARIOUS	C/FF	NSWC Crane	MAR 96	SEEP 96	300	8.827			
PY 97	VARIOUS	C/FP	NSWC Crane	MAR 97	SEE 97	9	8.792	NO		
S. BATTLE DRESS SYSTEM (BDS)			onio de co	ingy . we						,
A. Lightweight Cold Weather Equipment		· control descended of	33334		and the same of				Avec pro-	
FY 96	VARIOUS	CARP	USSOCOM	FUL 96	ocr 91	1,000	.220	NO	***************************************	· · · · · · · · · · · · · · · · · · ·
B. Body Armor/LBB	e Danishoo, an		- Annual Control							
FY 97	UNKNOWN	CAR	USSOCOM	JAN 97	SHP 97	145	1.993	NO	100 Per 100	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
7. STS KIT						Q-3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			and the same of th	
FY 96	Magnavon	CAMP	USMC	JAN 96	SEP 96		19.667	North of Spins		
	Mahway, NJ									

P-1 SHOPPING LIST, ITEM NO. 65

Page 3 of 3 Pages EXHIBIT P-5A Procurement History and Planning



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MANUFACTURIER'S NAME MIN AND LOCATION MIN MAX	S G				<u></u>	A S	ADMIN LEAD THE	EAU	WE STATE	-	D.T.O.	<u> </u>	N TO	MANYAS: A = CONTRACT AWARD	ACT.	WASE	_														
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TO ON FIRST STREET OF SERVICES		REOFE	EN Pro	W BOUFE	(80)				PAG	- 35	DAGE 1 OF 1 BAGE	PAGE																ľ	EXHIBIT		6-21

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BUDGET ITI	BUDGET ITEM JUSTIFICATION SHEET	ON SHEET		DATE	MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEN SOF MA	P-I ITEM NOMENCLATURE SOF MARITIME EQUIPMENT	B VT			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01

MISSION AND DESCRIPTION: This program provides necessary equipment to enable the Naval Special Warfare Command to meet Operations Command. These elite forces are called upon to perform difficult life threatening missions that require modern and safe specific requirements for the execution of Special Operations and fleet support mission as the Naval Component of the U.S. Special equipment. Numerous items of equipment, such as small craft, open and closed circuit scuba equipment, and mine countermeasure equipment, are required for the Naval Special Warfare component to execute their unique, special operations missions.

29.673

16.464

12.750

8.800

5.030

6.842

9.840

COST (In Millions \$)

QUANTITY

range surface mobility platform for SOP insertion and extraction and replaces the Special Warfare Craft (Light), or SEAFOX, which has engineering support. Alterations, material, and installation funds support boat alterations for emergent modifications to craft in the NSW 1. Combatant Craft and Craft Subsystems. The Navy Special Warfare (NSW) Rigid Inflatable Boat (RIB) program provides a medium ended its service life. The program supports the procurement of RIBs, trailers, deployment packages, on-board spares, and provides inventory that require centrally-managed equipment and headquarters expertise.

deployment packages, equipment shelters, electronics, and initial and on-board spares following a Milestone IIIA approval and based on an FY 1997 PROGRAM JUSTIFICATION: Funds procurement of four low-rate initial production (LRIP) RIBs with trailers, prime movers, FY 96 restructured NSW RIB program. Deliveries of full-rate production assets will commence within 12 months of ordering the LRIP assets. Funds provided for the Navy Boat Program will support safety and reliability upgrades to surface craft in the NSW inventory.

P-1 SHOPPING LIST, ITEM NO. 66

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BUDGET ITEM JUSTIFICATION SHEET	CATION SHEET	DATE
		MARCH 1996
APPROPRIATION / BUDGBT ACTIVITY	P-1 ITEM NOMENCLATURE	
PROCUREMENT, DEFENSEWIDE / 2	SOF MARITIME EQUIPMENT	

2. Undersea Subsystems. The program funds emergent Dry Deck Shelter (DDS) field changes that improve diver/submarine safety and enhance mission success.

Developmental Item (NDI) equipment, where possible. Field changes replace worn/obsolete COTS/NDI components to keep DDS units FY 1997 PROGRAM JUSTIFICATION: The DDS maintenance philosophy is to use Commercial, Off-the-Shelf (COTS)/Nonoperating.

P-1 SHOPPING LIST, ITEM NO. 66

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Page 2 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet

WEALON STSTEM COST ANALYSIS											
EXHIBIT (P.5) - Other Procurement	Procurent	Procurement, Defensewide/Proc. Just./2	SOF MARITIME EQUIPMENT	ME EQUIPM	DENT				C. DAIR:	MARCH 1996	
	Ident			FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code		Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QITY	Total Cost
1. COMBATANT CRAFT SUBSYSTEMS											
A. 24 Ft. RIBs											
(1) Boats	٧					100.000	30	3000			
(2) Trailers	A					16.000	30	480			
(3) Movers	¥										
(4) Deployment Packages	٧					48.000	15	720			
(5) Shelters	٧					12.000	30	360			
(6) Initial/On-Board Spares	∢					15.000	30	450			
(7) Electronics	V										
(8) Other	N/A				25			774			
B. NSW RIB											
(1) Boats	<								\$74.000	4	2,296
(2) Trailers	٧								32.500	4	130
(3) Мочете	¥								75.500	2	151
(4) Deployment Packages	٧								324.000	2	648
(5) Shelters	٧								14.500	+	88
(6) Initial/On-Board Spares	٧								19.750	4	61
(7) Electronics	Y								31.000	4	124
(8) Other	٧										459
C. ALT/MAT/INSTAIL	٧				462		VAR	484		VAR	206
Subtotal					554			6,268			4,451
2. UNDERSEA SUBSYSTEMS											
A. Mini Underwater Global Positioning System Receiver (MUGR)	<b>V</b>		6.396	261	1,228						
B. Dry Deck Shelter Field Changes	N/A			VAR	643		VAR	\$74		VAR	819
Subtotal					1,871			574			879

P-1 SHOPPING LIST, ITEM NO. 66

Page 1 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis

WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-3) - Other Procurement	A. Appn Procures	A. Appropriation/Budget Activity Title/No. Procurement, Defensewide/Proc. Just./2	B. Lime Ites SOF MARI	B. Line Item Noneaclaure SOF MARITIME EQUIPMENT	ure IPMENT				C. DATE:	HARCH 1996	
one jokas principalistis kantananan kata kantan	Ident.			FY 1995			FY 1996			FY 1997	
Wespon System Cost Blements	Code		Unit Cost	# OTT	Total Cost	Unit Cost	QTV	Total Cost	Unit Cost	QTY	Total Cost
3. SUSTAINMENT						403		a constitue de la constitue de			
A. NSW Groups & NSW Units - West	N/A			VAR	4,635						edve-spetitische der der der der der der der der der de
B. New Groups & NSW Units - Bast	N/A			VAR	1,492						
C. NAVSPECWARCEN	N/A			VAR	1,288						
Subtotal					7,415						
THE CONTROL OF THE PROPERTY OF											and the second s
					the state of the s						
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e de la companya de l											
en de la company de la comp						the state of the s					
MITTER CONTRACT AND A STANDARD CONTRACT OF THE PROPERTY OF THE					0,840			0,842			050,¢
TAND STOM TOTAL					078 0			C10 X			
LINE LIEM TOLAL	-				04°4		*****	0,842			5,030

P-1 SHOPPING LIST, ITEM NO. 66

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Page 2 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis



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<b>A</b>	BUDGET PROCUREMENT	MENT HISTORY	Y AND PLANNING				Α.	DATE:	March 1996	960
B. APPROPRIATION/BUDGET ACTIV PROCUREMENT, DEFENSEWIDE/2	ACTIVITY ADE/2			C. P-1 II SOF N	C. P-1 ITEM NOMENCLATURE SOF MARITIME EQUIPMENT	ICLATURE QUIPMENT				
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATB	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. COMBATANT CRAPT SUBSYSTEMS										
A. 24 Pt. RIB.										
(1) Bosts										
FY 96	Zodiak Boats	C/FP OPTION	NAVSPECWARCOM	APR 96	OCT 96	30	100.000	YES	ON	
	Amapolis, MD					•				
(2) Trailers	- 100 m									
FY 96	Zodiak Bosts	C/FP OPTION	NAVSPECWARCOM	APR 96	OCT 96	30	16.000	YES	NO	
	Annapolis, MD							111794		
(4) Deployment Packages				an experience for						
FY 96	VARIOUS	NOTIO	NAVSPECWARCOM	APR 96	96 TOO	15	48.000	YES	ON	
(5) Sheltera					~~~					
FY 96	VARIOUS	OPTION	NAVSPECWARCOM	APR 96	0CT %	30	12.000	YES	NO	
(6) ILS	٠		Ī							
FY 96	VARIOUS	OPTION	NAVSPECWARCOM	APR 96	90CT 96	30	15.000	YBS	ON	
B. NSW RIB										
(1) Boats	and the same of th									
FY 97	UNKNOWN	C/FF OPTION	SOKO	MAR 97	AUG 97	*	\$74.000	ON		
(2) Trailors					4.5					
FY 97	UNKNOWN	C/FP OPTION	SOKO	MAR 97	AUG 97	*	32.500	NO		
(3) Movere										
FY 97	UNKNOWN	OPTION	SOKO	MAY 97	AUG 97	7	75.500	NO		

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	BUDGET PROCUREMENT	MENT HISTORY	NY AND PLANNING		And with the first of the first		A.	. DATE:	March 1996	966
B. APPROPRIATION/BUDGET ACTIV PROCUREMENT, DEFENSEWIDE/2	ACTIVITY NDE/2			C. P-1 III	C. P-1 ITEM NOMBNCLATURE SOF MARITIME EQUIPMENT	ICLATURE EQUIPMENT	Administration of the second s			
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL.	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
(4) Depioyment Packages										
16 Ad	UNKNOWN	NOTION	SOKO	MAY 97	AUG 97	87	324.000	NO		
(5) Shelters										
FY 97	UNKNOWN	OPITON	SOKO	MAY 97	AUG 97	*	14.500	NO		20041-1-1-X
(6) ILS			No. of the last							72. <del>V</del>
L6 Ad	UNKNOWN	NOTION	SOKO	MAY 97	AUG 97	43	19.750	NO		V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-V-
(7) Electronics										
16 Ad	UNECNOMN	NOTTO	SOKO	MAY 97	AUG 97	4	31.000	NO		
2. UNDERSEA SUBSYSTEMS			olesses and formation of	P. C.		and the state of			Manager of the second	
A. Mini Underwater Global Positioning System Receiver (MUGR)							······································		Among a standardning a shift on a co	
FY 95	Trimble NAV	SS/FF	ABERDEHN PROVING GROUND	30N 98	SRP 95	23	6.396			
	militari da sagan a mana a					CONTROL NO.				
D. REMARKS:	Harmonian and the second secon		and the second s		A Little Control of the Control of t					

P-1 SHOPPING LIST, ITEM NO. 66

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ITEM / MANUFACTURER/ PROCUREMENT YEAR	<b>o</b> w c >	PROC	PRIOR TO	AS OF SEC.								00F	20>		N K CALE	8 ( × × ×	CALENDAR YEAR 96 CALENDAR YEAR 96 M A M J J A 8 A P A U U U E	AB A	20 m m 2	ошt 203		CALENDAR W	\$ <b>6</b> 0 0	88 X	# TO	80 W t	203	Omc	A L	N Y	PAN A	- TE - DE	¥30	ளை
1.A. (1) BOATB AND TRAILERS FY 87		*	*		0								<del>                                     </del>						The state of the s								· · · · · · · · · · · · · · · · · · ·		<del>}</del>	<			-	- 0
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MANUFACTURIER'S NAME AND LOCATION VARIOUS		- <b>8</b>	MIN MAX	PCH'D + t	<u> L</u>			8	UNEM THIOR	ADMIN LEAD ADMIN LEAD THE PRIOR AFTER	WE TEH	TIME MFNO	9	TOTAL		A A	MARKS: A = CONTRACT AWARD	TRAC	T AW	GE .	V V													
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BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	v sheet		DATE	MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM MISCELL	P-1 ITEM NOMENCLATURE MISCELLANBOUS EQUIPMENT	BNT			
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	3.191	5.216	3.030	3.513	6.719	11.184	11.733

subordinate command operations, joint stock and collateral equipage associated with military construction, and active noise reduction helmet Special Operations Forces (SOF). The line consists of relatively low cost procurement (total item cost normally less than \$10 million) that MISSION AND DESCRIPTION: The Miscellaneous Equipment budget line provides for various types of equipment required to support do not reasonably fit in other USSOCOM procurement line item categories. Examples are equipment to support headquarters and

- Unit). The D-Cell Unit provides base level support in an austere field environment for the headquarters or components during exercises and 1. USSOCOM Headquarters Management. Base Procured Investment Equipment (BPIE) for USSOCOM and the Deployment Cell (D-Cell contingencies.
- 2. Joint Operational Stocks (JOS). The JOS are centrally managed, maintained and stored repositories of immediately available Special deployed SOF units in support of world-wide contingency operations and other direct missions. The equipment is located at the SOF Operations-peculiar low density supplies and equipment. JOS are designed to provide an enhanced operational mission capability to Support Activity located at Lexington-Bluegrass Army Depot.

FY 1997 PROGRAM JUSTIFICATION: Funds offset critical supply requirements by maintaining off-the-shelf leading edge mission capable equipment on an on-call basis.

P-1 SHOPPING LIST, ITEM NO. 68

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BUDGET ITEM JUSTIFICATION SHE	SHEBT	DATE MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT	P-1 ITEM NOMENCLATURE MISCELLANEOUS EQUIPMENT

- 3. Special Operations/Combat Service Support (SO CBT SPT/CSS). Funding provides communications and logistics support of units across the spectrum of conflict.
- 4. SOF Medical Training Facilities Equipment. Procures needed equipment for the John F. Kennedy Special Warfare Center Medical Facility. Included are X-ray, pharmacy, library, classroom, audio visual, teletraining systems and other required equipment.
- electronic noise canceling to reduce the noise level. The system detects the ambient noise signal, reverses the phase and amplitude, and 5. Active Noise Reduction. Active Noise Reduction will be built into the headsets and helmets used by aircraft crew members and use reinserts the signal into the earcup to cancel high amplitude noise levels in aircraft cockpits and cargo bays.
- 6. Navy Civil Engineering Support Equipment. Procures vehicles and materiel handling equipment in support of Naval Special Warfare (NSW) requirements
- FY 1997 PROGRAM JUSTIFICATION: Procures authorized table of equipment, vehicles and material handling equipment.
- These vehicles are used to support training, exercises, and contingencies, and are required for sensitive activities in which military vehicles includes the following body styles: Bronco 4X4, 3 pax P/U, 6 pax P/U 4X4, 15 pax van, and standard pick-ups, cargo vans and Broncos. 7. Special Tactics Squadron Vehicles (STSV). Procures unmarked commercial type vehicles presenting civilian appearance. Program would not be feasible.
- 8. NSW Sustainment Equipment (formerly called NSW Groups/NSW Units East and West). Procures investment sustainment items for NSW headquarters and subordinate commands. Included are deployable rapid assembly shelters, establishments and upgrade of local automated data processing systems, intrusion detection systems, and other required equipment.

P-1 SHOPPING LIST, ITEM NO. 68

Page 2 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet



Weapon System Cost Elements Code  1. USSOCOM A. Base Procured Investment Equipment Subtoral  2. IOINT OPERATIONAL STOCKS (JOS) A. Hardware Subtoral Subtoral A. Hardware	Ident. Code	FY 1995	900		TV 1006				•
Wespon System Cost Elements cured Investment Equipment  RATIONAL STOCKS (108)  PT/CSS					277			FY 1997	
cured Investment Equipment  TRATIONAL STOCKS (JOS)  PTICSS  TO THE STOCKS (JOS)		Unit Cost Q	QTY Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	QTY	Total Cost
			755						
			755						
			199			768			\$
			199	-		768			194
A. Hardware									
			183						
Subtoral			183						
4. SOF MED TRNG FACILITIES EQUIP									
A. Hardware			822						
Subtotal			822						
S. ACTIVE NOISE REDUCTION									
A. Hardware		1.345	197 265	1.452	507	736			
B. Production Data			15			15			
C. Production Support (non-recurring)			132			288			
D. Aircraft Modification Kits			80						
Subtotal			492			1,039			
6. NAVY CIVIL ENGINEERING SUPPORT EQUIPMENT A									
A. Hardware						1554			2,236
Suboral						1,554			2,236
7. SPECIAL TACTICS SQD'N VEHICLES									
A. Hardware		35.000	4 140						
Subtotal			140						

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WEAPON SYSTEM COST ANALYSIS EXHIBIT (P-S) - Other Procuement	A. Approp Title/No. Procureme	ristioa/Busi nt, Defens	A. Appropriation/Budget Activity Title/No. Procurement, Defensowide/Proc. Just./2	Just. 72	B. Lins Item Nomenclature MISCHLANBOUS EQUIPMENT	Nomenclati EOUS EQ	UPMENT				C. DATE: MARCH 1996	CH 1996	
yddyskienning mae mae fann men ar de fan kan kan kan kan kan kan kan kan kan k	Ideal		SCIENCE POOR OF STATE			FY 1995	Pacifications		FY 1996			FY 1997	
Weapon System Cost Riements	Code				Undt Cost	OTA	Total Cost	Unit Cost	QIV	Total Cost	Unit Cost	QTY	Total Cost
8. NSW SUSTAINMENT EQUIPMENT	A									A Company of the Comp			
A. Hardware						and the state of t				1,855			
Subtotal										1,855			
		·											
													The first of the company property property for the company of the
AND													
					Company of the compan								
те ден даларання далаження больфонення в при при пределення по при		and to be made and a spirit											
		A STATE OF THE STA			o de la companya de l								
LINB ITEM TOTAL					The section of the se		3,191			5,216			3,030
Remarks:													

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Page 2 of 2 Pages EXHIBIT P-5, Weapon System Cost Analysis



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BUDGET PROCUREMENT	1	HISTORY AND P	AND PLANNING				A.	DATE:	March 1996	96
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 IT MISCE	P-1 ITEM NOMENOMINEMINER MISCELLANBOUS	P-1 ITEM NOMENCLATURE MISCELLANBOUS EQUIPMENT	INT			
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
5. ACTIVE NOISE REDUCTION A. HARDWARE										
FY 95	BOSE	88/FP	HSC/YAS	AUG 95	SHP 96	197	1.345			
	Framingham, MA									
FY 96	BOSB	\$8/FP	HSC/YAS	APR 96	JAN 97	200	1.452			
	Framingham, MA									
7. SPECIAL TACTICS SQD'N VEHICLES				time agencial.						
A. HARDWARE								A company to		
FY 95	GSA	SS/FP	AFMC	30 NOI	AUG 95	4	35.000			
	No.		ot - 1							
	Colonyal Marie Colonyal Colony						4.2.4			
D. REWARKS:										

P-1 SHOPPING LIST, ITEM NO. 68

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BUDGBT	BUDGET ITEM JUSTIFICATION SHEET	ON SHEET		DATE	MAI	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2	Į	P-1 ITEN SOF PLA	P-1 ITEM NOMENCLATURE SOF PLANNING AND REHEARSAL SYSTEM	3 SARSAL SYSTEN	J		
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	6.490	1.090	1.876	0.570	1.132	4.496	4.835

planning systems, supported by intelligence databases and imagery that will be used by planners within the Special Operations Forces (SOF) MISSION AND DESCRIPTION: Special Operations Forces Planning and Rehearsal System (SOFPARS) is an integrated family of mission mission planners and consist of unit/force level systems (transportable) capable of utilizing data transfer modules for avionics initialization management, information fusion, image exploitation, mission planning and mission preview. SOFPARS develops and procures aviation and element systems (portable). SOFPARS focuses on the joint requirements to ensure interoperability and standardization of the SOF command structure world-wide to plan and preview SOF missions. Major areas requiring automated support include data access and mission planning process.

FY 1997 PROGRAM JUSTIFICATION: Upgrades 72 previously procured Portable Mission Planning Systems and procures nine Deployable Desktop Mission Planners.

P-1 SHOPPING LIST, ITEM NO. 69

Page 1 of 1 Page EXHIBIT P-40 Budget Item Justification Sheet

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WEATON SYSTEM COST ANALYSIS EXHIBIT (P.S) - Other Procurement	A. Appropria	A. Appropriation budge. Activity like no. Procurement, Defensewide/Proc. Jul. 12		SOF PLANNING & REHE	3 & REH	is. Ling liken nomenchauts Sof Planning & Rehearsal System (soffars)	TEM (SOFPA)	(S)		C. DAIB: MARCH 1996	MAKCH I	8
	Ident.			M	FY 1995			FY 1996			FY 1997	
Weapon System Cost Blements	Code		1	Unit Cost	OTT	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	ALD	Total Cost
A. Deektop Deployable Systems	<b>⋖</b>			100.000	30	1,000				100.000	6	806
B. Portable Systems	А			49.760	2.5	1,244						
C. Interim Contractor Support	N/A											
D. Engineering Change Orders	N/A					800	The second secon		1,090			976
E. System Acquisition Engineering	N/A					1,992						
F. Common Mapping Production System	N/A					254						
I. MC-130H Combat Talon OFF 31	N/A					850						
J. PC Flight Planning Systems	*			16.379	58	950						
angelom kylonors kolonomen marana samakana mengaran ci amalikana malak karanapat kylolofikan akkylolofikan dan Samakana												
best ender enterent group (by Co.) (by												
order besterne errorität prototystek ja topus tuurannen sakan maanaan maanaan kan paraan sakat kunnan sakat ja												
konton na voje spravita i dojena sopija primi ne iki na kolenjem na doženom primi na pravita ne na negaranja d Vojena se na najvoje se najvoje sopija se najvoje se najvoje se najvoje se najvoje se najvoje se najvoje se na												the second secon
					o out							
LINE ITEM TOTAL						6,490			1,090	1 5 GAY.		1,876

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BUDGET PR	BUDGET PROCUREMENT HIS	HISTORY AND	AND PLANNING				Ą	DATE	March 1996	9
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2				C. P-1 IT SOF P	EM NOME	C. P-1 ITEM NOMENCLATURE SOF PLANNING AND REHEARSAL SYSTEM (SOFPARS)	ARSAL SY	STEM (S	OFPARS)	
LINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT	NON AVAIL	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
A. Desktope										
FY 95	LOCKHEED	NOTTO	BSC/YV	SEP 95	DEC 95	10	100.000			
	Nasahua, NH									
FY 97	LOCKHEED	OPTION	BSC/YV	MAR 97	SEP 97	0	100.00	YES	YES	DEC 96
	Neshue, NH			· · · · · · · · · · · · · · · · · · ·						
B. Portable Systems								40.00		-34-
FY 95	UNKNOWN	C/CPFF	ESCAYV	APR 96	OCT 96	22	49.670	YES	ON	
J. PC Flight Planners			**************************************						ya Makaca	
FY 95	UNKNOWN	FFF	SOFFM MPS	30N 96	JUL 96	\$5 80	16.379	YES	ON	
			www.							o positivo de la compansión de la compan
	20.00\nu =				. N.E.					
	<del> </del>				War was proportion					
D. REMARKS:	-									

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BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	MARC	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM OPERATION	P-1 ITEM NOMENCLATURE OPERATIONAL FORCE ENHANCEMENTS	NCEMENTS			
٠	FY95	FY96	FY97	FY98	FY99	FY00	FY01
QUANTITY							
COST (In Millions \$)	85.936	78.370	75.221	125.524	101.080	110.651	110.585
MISSION AND DESCRIPTION: Provides funding for Classified SOF projects as directed by the Secretary of Defense and/or the Joint Staff.  FY 1997 PROGRAM JUSTIFICATION: Specific justification is provided under separate cover.	Provides funding	g for Classified justification is	SOF projects as provided under se	directed by the parate cover.	Secretary of Da	efense and/or ti	ne Joint

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BUDGET ITE	BUDGET ITEM JUSTIFICATION SHEET	N SHEET		DATE	MAR	MARCH 1996	
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2		P-1 ITEM PSYOP EQ	P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT				
	FY95	FY96	FY97	FY98	FY99	FY00	FY01
OUANTITY							
COST (In Millions \$)	.018	19.595	7.794	7.595	4.726	14.686	1.986

terrorism, insurgency, instability, and subversion. Successful PSYOP operations will result in reduced casualties and actions favorable to equipment. The intent of PSYOP is to persuade selected target audiences to support U.S. national interests and counter misinformation directed at U.S. forces. New and emerging national and regional power groupings and religious fanaticism have increased threats of MISSION AND DESCRIPTION: This program provides for the development and acquisition of Psychological Operations (PSYOP) the supported host nation and U.S. national objectives.

- 1. Special Operations Media System B (SOMS B). A rapid deployable, C-130 drive on/drive off tactical radio/TV transmission, reception and electronic news gathering system. This system replaces 1950 - 1960s technology and enhances the capability to conduct tactical level PSYOP dissemination in support of regional unified commanders. Reduces airlift requirement for airlift.
- 2. Deployable Print Production Center (DPPC). A rapid deployable, state-of-the-art computerized digital system capable of creating, editing and producing printed PSYOP products in forward locations and remote sites.

FY 1997 PROGRAM JUSTIFICATION: Procures two planned DPPCs.

3. Family of Loudspeakers (FOL). The FOL will consist of modular amplifiers and speakers that will provide high quality recorded audio, live dissemination, and acoustic deception capability. FOL will be transported,

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	BT MARCH 1996
APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEFENSEWIDE / 2 PSYOP EQUIPMENT	ITEM NOMENCLATURE OP EQUIPMENT

3. Family of Loudspeakers (FOL). (Cont'd)

operated, and mounted in ground vehicles, watercraft, rotary wing aircraft, and dismounted for ground operations (TRIPOD/MANPACK). FOL will replace current AN/UIH-6 (250 watt) Public Address System; AN/UIH-6A (450 watt); AEM-1492D (900 watt); and LSS-40 (AN/PIH-1) portable loudspeakers. FOL will permit the conduct of loudspeaker missions over larger areas than present equipment capability and will provide a greater stand-off distance for U. S. Rorces/assets.

FY 1997 PROGRAM JUSTIFICATION: Procures initial manpack, vehicle/watercraft mounted, and aircraft mounted systems.

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Page 2 of 2 Pages EXHIBIT P-40 Budget Item Justification Sheet



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WEAPON SYSTEM COST ANALYSIS	A. Appro	A. Appropriation/Budget Activity	Activity Tit	Title/No.	B. Line Item 1	Vomenclatu	9				C. DATE:		
EXHIBIT (P.5) - Other Procurement	Procuren	Procurement, Defensewide/Proc.	/Proc. Just./2	n.	PSYOP EQUIPMENT	PMENT					MAR	MARCH 1996	
	Ident.					FY 1995			FY 1996			FY 1997	
Weapon System Cost Elements	Code				Unit Cost	QLY	Total Cost	Unit Cost	QTY	Total Cost	Unit Cost	ALO	Total Cost
1. SPECIAL OPERATIONS MEDIA SYS - B	٧												
A. Hardware							18	4,898.750	4	19,595			
Subtotal							18			19,595			
2. Deployable Print Prod. Center (DPPC)	<b>Y</b>												
A. Hardware											238,000	2	476
Subtotal													476
3. Family of Loudspeakers (FOL)	٧												
A. Hardware												VAR	7,318
Subtotal													7,318
				100	The state of the s								
LINB ITEM TOTAL				100 0 100			18			19,595			7,794

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A STATE PRESENTA STOCKED AND A STATE OF		CONCE	CACLASSIFIED							
BUDGET PROCUREMENT	1 8	HISTORY AND P	AND PLANNING				A.	A. DATE:	March 1995	5
B. APPROPRIATION / BUDGET ACTIVITY PROCUREMENT, DEPENSEWIDE / 2				C. P-1 ITI PSYOP	P-1 ITEM NOMENCI PSYOP EQUIPMENT	P-1 ITEM NOMENCLATURE PSYOP EQUIPMENT				
IINB ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DEL	QUANTITY	UNIT	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
1. SPECIAL OPERATIONS MEDIA SYSTEM - B										
A. Hardware										
FY 96	UNKNOWN	CAR	USSOCOM	FEB 97	FEEB 98	45	4,898.750	YES	NO	
2. Deployable Print Production Center (DPPC)						de garangara telahan	A MICCOL & Paparas			
A. Hardware							.5577.			
FP 97	UNKNOWN	C/FF	USSOCOM	NOV 96	APR 97	2	238.000	NO		
D. REMARKS:										

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